Construction News

★Denotes work advertised in ENGINEERING NEWS.
✚Denotes contract awarded. The names of bidders awarded contracts are set in CAPITALS.

Engineering Work on the Pacific Coast

Many engineers from the East and Central West contemplate visiting the Exposition on the Pacific Coast this year, and some of them have already formed a half-hearted idea to locate there permanently if conditions are propitious.

Knowing this, a series of letters has recently been sent out to well informed engineers in Washington, Oregon and California, in an endeavor to secure an idea of the contemplated municipal work for the year. The results, which are highly satisfactory, are given below in an abbreviated form. Regarding work on the Coast, especially work for engineers, the statement, by a prominent contracting firm, will bear repeating as follows:

"You will be doing a great favor, not only to engineers here but to all engineers in the East, by informing them that the engineering profession in this country is greatly overcrowded now, and that they should not come out here with the idea of staying and following their line of work. They are much better off in the East, where conditions are more stable the year round."

There is a great deal of work outside of the strictly municipal projects, such as hydro-electric plants, bridges, Columbia Highway, and other roads of like importance. Many of these will not be completed for several years, but the preliminary plans are now being prepared.

Aberdeen, Wash.—The improvement most needed is a permanent water supply, but there is little likelihood of the work being done this year.

Albany, Ore.—The public improvements most needed are a city hall, and a municipal gas plant. Little prospect of their construction this year.

Anaheim, Calif.—Improvement most needed is a new city hall. There is a prospect that a block of ground will be purchased, and a $40,000 city hall built, as the nucleus of a Civic Center.

Ashland, Ore.—The greatest need is for the extension of the municipal water and lighting systems. Improbable that any work will be done this year.

Astoria, Ore.—No special need, except for work now under way. Private improvements and industries are most wanted. Small amount of street improvement and sewer construction planned for this year, but most of the contracts for city improvement work have been awarded.

Bakersfield, Calif.—Ornamental street lights, storm sewers, and a garbage disposal plant are badly needed. Will probably not be done this year, but it is possible, as a new city charter is now before the Legislature.

Berkeley, Calif.—The city needs an improved water supply. Little prospect of any work this year.

Bremerton, Wash.—The city is most in need of grading and sidewalk improvements. About one mile of paving is contemplated during the year. The city also contemplates the purchase of the water and light plants.

Burns, Ore.—The city needs a new water supply and sewer construction. Little likelihood of their construction this year.

Coalinga, Calif.—Good roads and water supply are most needed. No improvements contemplated for this year.

Colfax, Wash.—A municipal park and playgrounds, and surfacing of country roads in the vicinity are needed. The work will probably be done this year.

Centralia, Wash.—There is need of pavements, sewers, city hall and other improvements. No funds to do the work at present.

Corona, Calif.—Street paving, sewage disposal plant and ornamental street lights are needed. About four miles of street paving will probably be done this year.

Emeryville, Calif.—The city's greatest need is for additional asphalt paving. Some of the work will probably be done this year.

Eugene, Ore.—The city needs more paved streets. About a mile of pavement will probably be laid this year. The Water Board also contemplates building several auxiliary reservoirs.

Glendale, Calif.—The city has no sewer system as yet. Preliminary investigations to this end are now beginning.

Hoquiam, Wash.—No special need of any improvements at present. Small amount of street work will probably be done this year.

Los Angeles, Calif.—Street tunnels and subways are much needed in Los Angeles. The work will probably not be done this year.

Marshfield, Ore.—Street paving is needed, of which a small amount may possibly be done this year.

Marysville, Calif.—The city needs improved streets, and a system of storm sewers. It is probable that the work may be begun this year.

Medford, Ore.—The county needs good roads and irrigation districts more than anything else. That portion of the Pacific Highway through Jackson County (50 miles) will be completed this year. It is also proposed to form an irrigation district covering about 5500 acres of the Rogue River Valley.

Mill Valley, Calif.—This city needs improved streets, but there is little likelihood that the work will be done this year.

Modesto, Calif.—Good roads throughout the county are greatly needed. Some street work is now being done, and more may follow.

Monrovia, Calif.—Macadam or concrete roads are needed, but the work will not be done this year.

Nevada City, Calif.—Better residence streets are needed by this city. A considerable amount of work will be done this year.

North Bend, Ore.—New city, so the great need is for improved streets. About $100,000 worth of grading done last summer, and the main business street will be hard surfaced for a distance of one-half mile this year.

Oakland, Calif.—A new district, recently annexed, needs improved streets and sewers. A part of the work will be done this year.

Olympia, Wash.—The city needs a new source of water supply. The city authorities contemplate the construction of a municipal water system, but the plan is opposed by the taxpayers, so no bonds can be sold for the purpose.

Ontario, Calif.—Better streets and a public park are most needed in this city. A site of 40 acres belonging to the city will be eventually laid out as a park. Some trees will probably be planted this year as a beginning. Plans are being prepared for the improvement of eight miles of streets, mostly concrete base, with asphaltic oil wearing surface, and some of macadam, concrete gutters and culverts.

Oregon City, Ore.—Main St. in need of repaving. The work will be done this year. A pipe line, 25 miles long, will be constructed from the head waters of the Clackamas.

Oroville, Calif.—Street pavements and good roads are most needed in the vicinity. Contracts will be let during the year for two miles of pavement on asphaltic concrete base.

Oxnard, Calif.—Additional paved streets are much needed. Ten blocks of waterbound macadam at present under construction.

Pasadena, Calif.—Better transportation facilities are greatly needed in Pasadena. Nothing will be done this year, unless financial conditions improve.

Pendleton, Ore.—Septic tanks are needed. It is expected that the work will be done this year.

Pomona, Calif.—The public improvements needed include roads, street lights, outfall sewer, etc. Contracts have been let for nine miles of concrete roads, to cost about $150,000. Plans have been prepared for an ornamental street-lighting system. Pomona is also in need of a first class hotel.

Porterville, Calif.—Street paving is needed. Contracts for 475,000 sq.ft. of pavement will be awarded in February, and completed as soon as possible.

Portland, Ore.—Water front improvements are needed. It is quite unlikely that the work will be done this year. Some street and sewer improvements will be made this year. It is also planned to build a new diversion dam at the intake of the water supply.

Pullman, Wash.—Street paving is much needed. Contracts have been awarded for some bitulithic and bituminous macadam paving.

Redondo Beach, Calif.—Street improvement is the principal need of the city. Probably no work will be done this year.

Roseburg, Ore.—The city is much in need of a trunk line intercepting sewer. Little probability of its being built this year.

Salem, Ore.—Only minor improvements are needed by this city. They will probably be made this year.

San Francisco, Calif.—Among the municipal improvements planned for the year are: Extensions of railways, perfecting the garbage incinerating system, extension of sewers and water supply.

San Rafael, Calif.—Bridges are needed, also storm sewers and additional street paving. Some of the work will be done this year. The city spent over $200,000 during 1914 for municipal improvements.

Santa Clara, Calif.—Street improvements are most needed by this city. About five miles of street pavement, sidewalks, curbs and gutters will be constructed this year.

Santa Monica, Calif.—This city needs a system of storm sewers, and the street paving consistent with the improvement of property. The storm sewers will be constructed this year, providing the election for the issue of the necessary bonds carries.

Seattle, Wash.—Bridges are most needed in Seattle. An election will be held in March for the purpose of voting a bond issue for the construction of bridges over Lake Washington Canal. Some general improvements are also needed.

Snohomish, Wash.—No special improvements are needed in Snohomish and vicinity.

South Bend, Wash.—Reclamation of the tide lands is needed. One concrete dike will be constructed this summer. The estimated cost is $60,000.

Spokane, Wash.—No public improvements needed at this time. Grade separation work by various railways has either been recently completed, or is now under way.

Stockton, Calif.—Sewer extensions are needed in the city, but it has not yet been decided whether the work will be undertaken this year or not. An irrigation system is being planned to develop about 40,000 acres of land in Shasta County. The main canal will be 40 miles long, with about 55 miles of laterals.

Tacoma, Wash.—Hard surfaced trunk highways are needed in the vicinity. The city needs a trunk sanitary sewer, and intercepting storm and sanitary sewers. The work will not be done this year.

Tulare, Calif.—Street paving, an additional school building and a new city hall are the principal needs of this city. Some paving of the city streets, and of the State Highway through Tulare County will probably be done this year.

Vallejo, Calif.—An improved system of garbage disposal, and filling of the water front are needed in Vallejo. It is improbable that the improvements can be made this year.

Ventura, Calif.—Storm sewers, costing from $20,000 to $24,000, are much needed. On account of the already heavy indebtedness of the city, the work will probably not be undertaken this year.

Visalia, Calif.—Street improvements and sewer extensions are needed. No work contemplated in the near future. An election will be held shortly to vote on the question of a new city charter, including a City Manager plan.

Watsonville, Calif.—No improvements contemplated. This city is the center of a fruit raising country, so there is little engineering work of importance.

Whittier, Calif.—Street paving and improvement of the water supply are most needed in this city. Proceedings are under way for laying about 300,000 sq.ft. of asphalt pavement, and more work of the same class is contemplated. Improvements and extensions to the water system, to cost about $10,000 are also under consideration. A new grammar school, to cost $30,000 will soon be built.

RAILWAYS

Virginia—Norfolk & Western Ry.—Surveys are being made by this company for the construction of a railway from Pamplin to Burkeville, Va. J. E. Crawford, Roanoke, Va., is Ch. Engr.

West Virginia—Buckhannon & Northern R. R.—This company has completed surveys and is arranging to start work about Apr. 1 on the extension of its line from Fairmont to Clarksburg, W. Va., about 17 miles. S. D. Brady, Fairmont, W. Va., is Ch. Engr. Noted Feb. 11.

Kentucky—The Continental Coal Co. contemplates an expenditure of $12,000 for the construction of a spur to its mine at Straight Creek, Ky. L. E. Yoder is Ch. Engr.

Kentucky—Illinois Central R.R.—Surveys are being made by this company for double-tracking its line from Central City to Paducah, Ky. A. S. Baldwin, Chicago, Ill., is Ch. Engr.

Indiana—Vandalia R.R.—This company has completed surveys for the construction of a four-mile spur from the White Rose mine in Linton, Ind., to the Southwest mine. F. T. Hatch, St. Louis, Mo., is Ch. Engr.

Kansas—Union Pacific R.R.—This company contemplates ballasting its line from Ellis to Oakley, Kan., about 71 miles. R. L. Huntley, Omaha, Neb., is Ch. Engr.

South Dakota—Chicago, Milwaukee & St. Paul Ry.—According to press reports this company contemplates taking over the Crouch line, from Rapid City to Mystic, S. D. It is reported also that the company has made surveys for an extension from Silver City to Nahant, S. D. C. F. Loweth, Chicago, Ill., is Ch. Engr.

Texas—Chicago, Rock Island & Gulf Ry.—This company contemplates the construction of an extension from Graham to Albany, Tex., about 50 miles. A. B. Warner, Fort Worth, Tex., is Gen. Supt. and Ch. Engr.

Texas—Missouri, Kansas & Texas Ry.—Plans are being considered by this company for the extension of its line from Newcastle to Cisco, Tex., about 50 miles. F. Ringer, Parsons, Kan., is Engr. Maintenance of Way.

Oklahoma—Atchison, Topeka & Santa Fe Ry.—According to press reports this company is making surveys for the construction of a railway from Maramec to Jennings, Okla., about 10 miles. F. M. Bisbee, Amarillo, Tex., is Ch. Engr. Western Lines.

Oregon—It is reported that Porter Bros., Portland, Ore., will construct a railway up South Santiam Valley, from Albany to Lebanoux.

Ontario—Canadian Northern Ontario Ry.—Surveys have been completed by this company for the construction of a railway from Toronto to Niagara Falls, about 79 miles. R. A. Baldwin, Toronto, Ont., is Engr.

ELECTRIC RAILWAYS

New Britain, Conn.—The New Britain St. Ry. Co. has applied for a charter to build an electric railway in New Britain. At present the capital stock is $50,000 but is to be increased to $500,000. Among the incorporators are Mayor George A. Quigley and George M. Landers.

Thompsonville, Conn.—The Hartford & Springfield St. Ry. Co., Warehouse Point, Conn., is having plans prepared for extending its line from the waiting station at Thompsonville through Main St., across the Connecticut River, and connecting on Mapleton Ave., in Suffield, with the present Suffield St. Ry. Joseph S. Goodwin is Supt. and Pur. Agt.

Watertown, N. Y.—The Black River Traction Co. contemplates re-tracking its line on the Public Square. Work will start sometime during the summer. L. Schwerzmann is Gen. Mgr. and Supt.

Chambersburg, Penn.—An application for a charter will soon be made for the purpose of building a railway to connect McConnellsburg and Fort Loudon. Edward J. Post and D. H. Patterson are interested.

Monaca, Penn.—Press reports state that a company will be organized in Monaca to build a line from Monaca, south to Coraopolis, about 20 miles. J. W. Reid and J. J. Allen are interested.

South Bethlehem, Penn.—The Lehigh Valley Transit Co. is considering plans for double-tracking its line from South Bethlehem to Hellertown, and for the construction of a new line from Hellertown to Richlandtown. W. W. Wysor, Allentown, is Ch. Engr.

Atlanta, Ga.—The Georgia Ry. & Power Co., having made preliminary surveys, is considering extending its line to Oglethorpe University, about 1½ miles north of the terminus at the DeKalb County Line. W. H. Glenn is Mgr.

Augusta, Ga.—The Augusta-Aiken Ry. & Electric Corporation plans to improve its lines. John H. Adams is Ch. Engr. and Master Mechanic.

Waycross, Ga.—The Waycross St. & Suburban Ry. Co. is having plans prepared for extending its line through the southern section of Waycross. N. B. Rhoads is Gen. Mgr. and Pur. Agt.

Cleveland, Ohio—The Cleveland Ry. Co. has been requested to consider plans for an extension of the West Madison Ave. line from West 117th St. to Riverside Ave., Lakewood. Other improvements and extensions in Cleveland are also contemplated. George L. Radcliffe is Gen. Mgr.

Conneaut, Ohio—The Conneaut, Kingsville & Ashtabula Ry. Co. has completed surveys on its 14-mile line between Conneaut and Ashtabula. No definite time for starting construction has yet been fixed. W. E. Hawley, Kingsville, Ohio, is Pres.

Portsmouth, Ohio—Plans are being prepared by the Portsmouth St. Ry. & Light Co. to build an extension in Portsmouth. W. A. Martin is Ch. Engr.

Evansville, Ind.—The Board of Public Works has granted a franchise to the Evansville Ry. Co. to extend its Bell St. line from Kentucky Ave. to the city limits. William A. Carson is Gen. Mgr. and Pur. Agt.

East St. Louis, Ill.—The East St. Louis & Suburban Ry. has been requested to consider plans for building its tracks along Main St. from Broadway to Missouri Ave. C. A. Pearson, Jr., is Secy.

Lincoln, Ill.—The Lincoln Ry. & Heating Co. has been recently incorporated with a capital of $15,000. This company is believed to have been organized as a successor to the Lincoln Ry. & Light Co. for the purpose of building electric railways in Lincoln. Among the incorporators are J. R. Patton and John A. Hoblit.

Coffeyville, Kan.—Press reports state that plans are being considered by the Union Traction Co. to extend the line from Coffeyville to Collinsville, Okla. This line will finally run to Tulsa via Collinsville. Roy Kennedy is Supt.

Dunkirk, Kan.—The Joplin & Pittsburg Ry. Co., Pittsburg, Kan., is considering plans for extending its line from Dunkirk to Arcadia, via Hazen and other coal camps. William A. Satterlee is Gen. Mgr. and Pur. Agt.

St. Louis, Mo.—The United Rys. Co. of St. Louis has been requested to consider plans for extending its lines along Tamm Ave. to Art Hill in Forest Park. Robert McCulloch is Supt.

Phoenix, Ariz.—The City Council has granted a franchise to the Phoenix Ry. Co. to build an extension along Monroe St. between First St. and Second Ave. J. P. Gould is Ch. Engr.

Klamath Falls, Ore.—Press reports state that a line is being planned from Eureka, Calif., north to Requa and from there along the Klamath River to Klamath Falls. D. W. Hanson, Pres., Eureka Development Association, is interested.

Hamilton, Ont.—The City Council has selected a committee to request the Hamilton St. Ry. Co. to build two cross-town lines and also relay new tracks on several streets in Hamilton. C. K. Green is Supt. of Construction.

Ottawa, Ont.—The Ottawa & St. Lawrence Electric Ry. Co. will start work during the spring on the section from Perth to Smith Falls, which will make a belt line of 300 miles. E. Malone is Ch. Engr.

Toronto, Ont.—At the next session of the Legislature, the Toronto & York Radial Ry. Co. will make an application to construct a double track line on Yonge St., from the Canadian Pacific R.R. tracks to the north city limits of Toronto. E. W. Oliver is Ch. Engr.

LIGHT, HEAT AND POWER

Bar Harbor, Maine—It is reported that the town is considering the installation of a municipal electric-light plant.

+Bridgeport, Conn.—The American Graphophone Co. has awarded a contract to J. W. DAVIS, 510 Security Bldg., Bridgeport, for the construction of a brick and steel transformer house at its plant on Railroad Ave.

Bridgeport, Conn.—Press reports state that the United Illuminating Co. will shortly begin the construction of an addition to its plant on Congress St. The building will be 50x150 ft., and 35 ft. high. Charles A. Paul is Mgr.

+Bridgeport, Conn.—The contract for the heating and mechanical equipment for the group of almshouse buildings has been awarded to the W. P. KIRK CO., 360 Fairfield Ave., Bridgeport, at $49,980. The work includes heating and ventilating, hospital equipment, vacuum cleaning system, laundry machinery and plumbing. Other bidders were: C. H. Darnstade, New York, $67,400; W. G. Cornell, New York, $65,196; Files Engineering Co., Providence, $62,727; Merrill Co., Boston, $58,439; G. E. Gibson Co., New York, $56,960; E. G. Woolfolk & Co., New York, $56,863; E. S. Eames & Co., $54,480; Walker & Chambers, New York, $53,215; Fentzlaff Heating & Plumbing Co., New York, $51,500. Skinner & Walker, 1188 Main St., Bridgeport, is Arch.

+Quinebaug, Conn.—The Fabyan Woolen Co., Quinebaug, has awarded the contract for the construction of a 50x80-ft. power house with a 125-ft. chimney to the EASTERN CONSTRUCTION CO., Woonsocket, R. I.

Elba, N. Y.—The Elba Food Products Co. will build a one-story, 52x75-ft. power house in connection with its new canning and preserving plant. Raymond M. Decker, Batavia, N. Y., is Pres.

New York, N. Y.—(Borough of Manhattan)—(Official)—All bids received Jan. 29 by the Board of Trustees, Bellevue and Allied Hospitals, for reconstructing the existing branch circuits of the electric lighting system, additional gas piping and

gas and electric fixtures for the main building of the Harlem Hospital, were rejected. New bids for the work will be received until noon, Feb. 24. John W. Brannan, M. D., is Pres. Bd. of Trustees. Noted Jan. 21 and Feb. 4.

✚New York, N. Y.—(Borough of Brooklyn)—(Official)—The contract for installing heating and ventilating apparatus in Public School 36, Stagg and Ten Eyck St., Borough of Brooklyn, has been awarded to WILLIAM J. OLVANY, 177 Christopher St., New York, at $17,535. Noted Jan. 21 and Feb. 4.

✚New York, N. Y.—(Borough of Brooklyn)—(Official)—The contract for installing electrical equipment in new Public School 95, Van Sicklen St. and Neck Rd., Borough of Brooklyn, has been awarded to PEET & POWERS, 45 West 34th St., New York, at about $7570. Noted Jan. 21 and Feb. 4.

Utica, N. Y.—James F. Leahy, 411 John St., will equip a power house in connection with a new laundry plant. The total cost will be $50,000. The power building will be one story, 50x70 ft.

Fairmont, W. Va.—(Official)—Bids will be received until noon, Mar. 15, by the State Board of Control, Charleston, for heating, plumbing and electrical work for the main building of the Fairmont State Normal School. Paul A. Davis, 3d, Presser Bldg., Philadelphia, Penn., is Arch. J. S. Lakin, Charleston, is Pres. State. Bd. of Control.

Lakeland, Fla.—See item under "Water Supply-Irrigation."

New Orleans, La.—It is reported that an offer has been made to the Commission Council by George T. Bishop, Baltimore, Md., Pres. of the Washington, Baltimore & Annapolis Electric R.R. Co., to construct an electric-light plant, to be eventually taken over by the city. Mr. Bishop represents a syndicate having about $40,000,000 to invest in civic development ventures. E. E. Lafaye, Comr. of Pub. Property, is considering the proposal.

Chattanooga, Tenn.—It is reported that the Duck River Power Co., Shelbyville, has sold its electric-light plants at Shelbyville, Manchester and Wartrace, Tenn., to the Tennessee Ry., Light & Power Co., Chattanooga. The new owners will improve these plants.

Irvine, Ky.—It is reported that H. E. Hay, Corbin, Ky., has secured a franchise, and will establish an electric-light plant, to cost about $5000, in Irvine. Noted Dec. 25, 1913, Jan. 22 and Sept. 3, 1914.

Bucyrus, Ohio—The Bucyrus Light & Power Co., a subsidiary of the National Gas, Electric Light & Power Co., Detroit, Mich., is having plans prepared for the construction of a new power plant. It will be operated by steam instead of gas, now used, and the present plant will be dismantled. The estimated cost of the new plant is $40,000. D. F. Burritt, Detroit, Gen. Supt. of the National Gas, Electric Light & Power Co., will supervise the work.

Butler, Ohio—Bonds to the amount of $4000 have been issued, the proceeds of which will be used for improving the municipal electric-light plant. The purchase of a gas engine is also under consideration.

Chillicothe, Ohio—It is reported that the Mead Pulp & Paper Co., Dayton, contemplates enlarging its local pulp mill and power plant at a cost of about $100,000.

Cleveland, Ohio—The River Furnace Co., West Third St., has taken out a permit for the construction of a two-story, 122x400-ft. power house. It will contain 16 boilers and 16 generators and blowing engines. The estimated cost is $125,000.

Franklin, Ohio—Press reports state that the village is considering the installation of a municipal electric-light plant. The present contract with the Franklin Electric Light Co. for street lighting expires next August.

✚Youngstown, Ohio—The City Council has authorized the Director of Public Service to enter into a contract with the YOUNGSTOWN & SHARON ST. RY. CO. to light the streets of the city for a period of ten years, beginning Apr. 1, 1915. Noted Jan. 28.

Marquette, Mich.—It is reported that Charles Retallic, Supt. and Mgr. of the municipal light and power plant, has recommended the construction of a new power house and penstock.

Muskegon, Mich.—According to press reports, the Muskegon Lighting Co. has decided to construct a new gas tank in Muskegon, with a capacity of 500,000 cu.ft. The estimated cost is $50,000.

Milwaukee, Wis.—The Board of School Directors has retained Van Ryn & De Gelleke, Arch., Caswell Block, to prepare plans for a one-story 28x56-ft. boiler house for the 16th Ave. School. It will cost about $15,000, to be of brick and concrete, fireproof. Frank M. Harbach is Secy. of the Bd.

Buffalo Center, Iowa—The City Council is reported to be considering the installation of a municipal electric-light plant. The estimated cost is $10,000.

Sloan, Iowa—Over $11,000 has been subscribed in Sloan for the purpose of installing an electric-lighting system. The money has been raised by selling stock at $100 per share.

Powhattan, Kan.—Press reports state that an election will soon be held to vote on the question of issuing $10,000 in bonds to be used for the installation of a municipal electric-light plant.

Mexia, Tex.—The City Council has granted a franchise to the Co-operative Gas Co. to lay a system of natural gas distributing mains in various streets of Mexia.

Yorktown, Tex.—It is reported that the Texas Southern Electric Co., Victoria, is negotiating for the purchase of the plant of the Yorktown Light & Ice Co. If the transaction is completed, the plant will be improved. W. A. Leland, Victoria, is Pres. of the Texas Southern Co.

Boise, Idaho—The City Council is considering the installation of a lighting system on the South Side. The estimated cost is $5000. C. C. Stevenson is City Engr.

Elberton, Wash.—The Elberton Building & Power Co., Elberton, contemplates the construction of a 1500-hp. power plant on a site near the city. The company has petitioned the City Council of Colfax, Wash., to grant a 50-year franchise to furnish energy to that city also. Charles N. Hinchcliff, owner of a flouring mill near Elberton, is interested.

Baker, Ore.—It is reported that the Oregon Lumber Co. will install an electric-light plant to serve its own mills, the Sumpter Valley Ry. and the Sumpter Valley machine shops.

Fresno, Calif.—(Official)—Bids were opened Feb. 1 by the State Engineer for the boiler plant equipment, gymnasium and boiler house at the Fresno State Normal School as follows: Thomas Haverty Co., $10,750; F. P. Walsh, $10,787; Scott Co., $11,080; Robert Dalziel, Jr., $11,217; Pacific Fire Extinguisher Co., $11,300; Seibert Co., $11,931; Frederick W. Snook Co., $12,200; Latourrette-Fical Co., $12,400; Grant Fee, $13,000; Arthur Hess, $15,340.

Parlier, Calif.—The Parlier Winery will install a gas plant to serve Parlier, Reedley, Sanger and Kingsburg. P. N. Madsen and W. Parlier, Parlier, are interested.

Cordova, Alaska—Harry H. Knox, Pres. and Mgr. of the Alaska Electric Consolidated Co., Cordova, announces that financial arrangements for the construction of its proposed power plant have been completed, and that construction work will probably begin in the spring. Noted Mar. 19, 1914.

Dutton, Ont.—It is reported that bids will be asked in the spring by the Town Council for electrical equipment to cost about $15,000. It will include transformers, switches, wire, etc.

Thamesville, Ont.—The Town Council has ordered estimates to be prepared for the construction of a new hydro-electric system to furnish light and power for the town.

BRIDGES

Northampton, Mass.—The Board of Commissioners of Hampshire County has petitioned the State Legislature to confirm its acts relative to the proposed bridge over the Connecticut River between Northampton and Hadley. Noted Dec. 18, 1913, and Jan. 7, 1915.

★Central Falls, R. I.—(Official)—Bids will be received until noon, Mar. 15, by Esten & Black, Engr., 18 East Ave., Pawtucket, for the construction of a three-span reinforced-concrete bridge across the Blackstone River between the City of Central Falls and the Town of Cumberland. The estimated cost is $65,000. Noted June 18 and 25, Oct. 1, 1914 and Jan. 21, 1915.

Ansonia, Conn.—The Board of Public Works has instructed V. B. Clarke, City Engr., to prepare plans for the construction of a concrete bridge at Beaver Brook in connection with the extension of Central St. Bids will be asked early in the spring.

Canton, N. Y.—Plans have been prepared by the Concrete-Steel Engineering Co., Park Row Bldg., New York, for a reinforced-concrete bridge over De Grasse River in Canton. The estimated cost of the structure is $30,000. The voters will be asked to authorize, at the next town meeting, the construction of this and two smaller bridges.

Greenwich, N. Y.—A special town meeting will be held Feb. 23 to vote on the question of building four new bridges over Battenkill as follows: A concrete bridge at Bridge St. in the village of Greenwich, to cost not over $15,000; a concrete bridge at Clark's Mills, cost not to exceed $24,000, a concrete bridge at Middle Falls, cost not to exceed $18,000, and a bridge at Battenville, cost not to exceed $16,000, of which the village of Greenwich is asked to pay one-half.

Camden, N. J.—The Philadelphia & Camden Bridge & Terminal Co. has been incorporated by J. Disbrow Baker and Joseph P. Murray, with a capital stock of $125,000. The purpose of the company is to build a bridge over the Delaware River between Camden and Philadelphia.

Elizabeth, N. J.—The Boards of Chosen Freeholders of Union and Somerset Counties have approved plans for a county line bridge over the Green River at Plainfield. The estimated cost is $10,000. It is reported that Union County will also build a new bridge across the Rahway River at Cranford, to cost about $13,000. Jacob L. Bauer, Elizabeth, is Engr. of Union County.

★Mount Holly, N. J.—Bids will be received util noon, Mar. 3, by the Boards of Chosen Freeholders of Atlantic and Burlington Counties, Burlington County Court House, Mount Holly, for repairs to the Chestnut Neck Bridge. A. H. Nelson, Atlantic City, is Engr. of Atlantic County. James Logan is Engr. of Burlington County. For further information, see advertisement under "Contracts to Be Let."

✚New Brunswick, N. J.—The Board of Freeholders has awarded a contract for the construction of a wooden bridge over Manalapan Creek, Madison Township, to A. H. SCOTT & SON.

Chalfont, Penn.—The Commissioners of Bucks County, Doylestown, have decided to build a new concrete bridge over North Branch Creek at Chalfont, to replace the present wooden structure inadequate for the increased traffic. A walk will be built along the outside of the covered bridge over Neshaminy Creek at Chalfont. A. Oscar Martin, County Engr., has been directed to prepare plans for these improvements.

Huntington, W. Va.—A. B. Maupin, City Engr., has submitted to the City Commissioners plans for the Fifth Ave. and 29th St. overhead railway crossings. The estimated cost is $43,562 and $30,325 respectively.

Palatka, Fla.—The Commissioners of Putnam County are asking for estimates of the cost of rebuilding a 4000-ft. concrete bridge over the St. Johns River. J. H. Millican is Chn. Bd. of Comrs.

Mobile, Ala.—The County Board of Revenue and the Road Commissioners of Mobile County have ordered plans prepared for repairing the Dog River Bridge, or placing a new concrete foundation. The estimated cost of the new foundation is $8640.

✚**Laurel, Miss.**—The Highway Commissioners of the Second District, Jones County, have awarded the contract for the construction of a steel bridge over Horse Creek to the VINCENNES BRIDGE CO., Vincennes, Ind. Noted Nov. 26, 1914.

Natchez, Miss.—The Board of Supervisors of Adams County has ordered that bids be advertised for the construction of an inter-county bridge to be built between Adams and Jefferson County over Fairchild's Creek at Hermitage Ford.

✚**Shreveport, La.**—The Vicksburg, Shreveport & Pacific Ry. has awarded a contract for rebuilding its bridge over the Red River to the BLODGETT CONSTRUCTION CO., Kansas City, Mo. The work includes the removal of the present structure, and replacing with three 242-ft. truss spans, one 295-ft. draw span, and one 60-ft. deck girder span. H. B. Hearn, Shreveport, is Supt.

Clinton, Tenn.—It is reported that the three bridges to be built over the Clinch River by Anderson County will be of steel or reinforced concrete, each 300 ft. long and 18 ft. wide. The estimated cost is $20,000 each. C. J. Sawyer is Chn. of the Bridge Com. Noted Jan. 21.

Louisville, Ky.—Bids will be received until Feb. 19 by the Board of Public Works for the construction of a concrete culvert over Drescher St. between Letterle Ave. and Deemont St. The estimated cost is $6500. D. R. Lyman is City Engr.

✚**Laporte, Ind.**—The Board of Commissioners of LaPorte County has awarded bridge contracts as follows: Ham Hofer Bridge, Kankakee Township, to WILLIAM B. HUTCHINSON at $12,450; A. C. Johnson Bridge, New Durham Township, to LOUIS MARTINE at $23,000; repairing two bridges to C. D. ANDREAS at $1770.

Stinesville, Ind.—Bids will be received until Mar. 2 by the Board of Commissioners of Monroe County, Bloomington, for the construction of a bridge over Bean Blossom Creek near Stinesville. W. F. Kinser, Bloomington, is Audr.

✚**Princeton, Ill.**—(Official)—The County Superintendent of Highways of Bureau County has awarded the contract for the construction of the Captain Swift Bridge, Princeton Township, to the VINCENNES BRIDGE CO.; Vincennes, Ind., at $6095 for the superstructure, substructure and retaining wall, and 35c. per cu.yd. for earth fill and grade construction. The contract for two small bridges in Gold and Manlius Townships was awarded to the WHITEWATER BRIDGE CO., Whitewater, Wis., at $785 and $1095 respectively. Noted Jan. 28.

La Crosse, Wis.—The County Highway Commissioner of La Crosse County is making surveys for the location of a new reinforced-concrete bridge over the Black River near Campbell, La Crosse County. It will be about 5400 ft. long. Plans will be prepared by M. W. Torkelson, State Highway Engr., Madison.

Winona, Minn.—Bids will be received until Mar. 1 by the City Council for the construction of a new approach to the High Wagon Bridge over the Mississippi River. It will cost approximately $100,000. H. B. Walling is City Engr. Noted Dec. 17.

Mason City, Iowa—(Official)—Bids will be received until Mar. 2 by the Auditor of Cerro Gordo County for the construction of 20 bridges in the county, two to be of steel, the remainder of concrete. The estimated total cost is $25,000. R. E. Robertson is County Engr. Noted Jan. 21.

Salina, Kan.—The Commissioners of Saline County opened bids Feb. 2 for the construction of a concrete bridge over the Smoky Hill River at Iron Ave. from the following: Leavenworth Bridge Co., Leavenworth, Kan., $28,990; Concrete Construction Co., Kansas City, Mo., $26,200; Missouri Valley Bridge Co., Leavenworth, $27,423; March Construction Co., Des Moines, Iowa, $28,346; Haeney Construction Co., Enid, Okla., $27,000; Staley & Mackey, Hutchinson, Kan., $26,772; Buchanan & Stack, Salina, $32,000. Noted Aug. 27, Nov. 12 and 26, Dec. 31, 1914 and Jan. 21, 1915.

North Platte, Neb.—(Official)—Bids will be received until noon, Mar. 17, by C. W. Yost, Clk. of Lincoln County, for the construction of a bridge over the North Platte River, about two miles east of the town of North Platte. Alternate bids will be accepted for a reinforced-concrete bridge, balanced arch type, or for a high truss steel bridge. Noted July 23 and Sept. 24, 1914.

Seward, Neb.—(Official)—All bids received Feb. 3 for county bridge work during 1915 were rejected by the Board of Commissioners of Seward County. J. R. Roberts is County Clk. Noted Jan. 28.

Kansas City, Mo.—The Park Board has approved plans for a bridge to be built over Brush Creek to connect with the extension of Benton Blvd. into Swope Parkway. The estimated cost including the approaches, is $40,000. The expense will be borne by a benefit district bounded by Linwood Blvd., Brush Creek, Prospect Ave. and Cleveland Ave.

✚**Little Rock, Ark.**—(Official)—The City Council has awarded the contract for the completion of the Third St. Viaduct to the N. PEAY CONSTRUCTION CO., Little Rock, at $8054. Other bidders were: McEicher & McEicher, $9250; Joseph McCoppin, $8076; J. B. Bateman, $8383, and M. J. Cole & Co., $8560. Noted Feb. 11.

✚**Orange, Tex.**—The contract for the construction of a bridge over the intercoastal canal, nine miles east of Orange, has been awarded to PERRY & BONNER, Lake Charles, La.

Uvalde, Tex.—It is reported that the Commissioners Court of Uvalde County will shortly ask bids for the construction of a concrete bridge on the San Antonio-El Paso Rd.

Rockport, Tex.—Press reports state that the Commissioners Court of Aransas County will soon advertise for bids for the construction of a bridge across Puerto Bay to Refugio County. The town of Bayside and Refugio County will each pay a part of the cost, which is estimated at $25,000.

✚**Chehalis, Wash.**—The Commissioners of Lewis County opened bids Feb. 3 for the construction of two steel bridges as follows, (A) No. 79, (B) No. 78-B: COAST BRIDGE CO., Portland, Ore., (A) $10,907, (B) $9427 (awarded contract); William Monson, Portland, (A) $11,778, (B) $10,132; Charles G. Huber, Seattle, (A) $11,559, (B) $10,417; Ambrose-Burdsal Co., Portland, (A) $11,850, (B) $10,400; Illinois Steel & Bridge Co., Spokane, (A) $13,500, (B) $11,500. Noted Jan. 14.

Mount Vernon, Wash.—Bids will be received until 2 p.m., Mar. 2, by the Board of Commissioners of Skagit County for the construction of a bridge across the Swinomish Slough, connecting the town of LaConner with the Swinomish Indian reservation and Fidalgo Island. A. L. Strong, Mount Vernon, is County Engr.

Renton, Wash.—Bids will be received until Feb. 25 by the Board of Commissioners of King County, Seattle, for the construction of a 120-ft. steel bridge over the Duwamish River near Renton. The estimated cost is from $15,000 to $25,000. M. J. Carrigan is Chn. Bd. of Comrs.

✚**Seattle, Wash.**—The Board of Commissioners of King County has awarded the contract for the construction of a timber bridge at 14th Ave. S., to the MANHATTAN CONTRACTING CO., Central Bldg., Seattle, at approximately $19,000. Fifteen bids were submitted. Noted Jan. 21.

Dallas, Ore.—(Official)—We are advised by Henry L. Bowlby, State Highway Engr., that the matter of constructing a bridge across the Willamette River, between Marion and Polk Counties, has been postponed for a year. Noted Jan. 14.

✚**Toronto, Ont.**—The Board of Control, H. C. Hocken, Chn., has awarded the contract for the construction of the Rosedale section of the Bloor St. Viaduct to the DOMINION BRIDGE CO., Montreal, Que., at $298,555. Noted Nov. 19 and 26, 1914.

WATER SUPPLY—IRRIGATION

Blackstone, Mass.—(Official)—The town has petitioned the legislature for permission to acquire land for a water-supply.

Greenfield, Mass.—On Feb. 2 an appropriation of $5000 was made for the construction of water mains.

Middleboro, Mass.—On Feb. 2 the Fire District voted in favor of constructing a concrete stand pipe for the Water Department on Barden Hill. The estimated cost is $30,000. A. C. Howes is Supt. of Water Dept.

★**Salem, Mass.**—(Official)—Bids will be received until 10 a.m., Mar. 10, by the Salem and Beverly Water-Supply Board for the construction of an additional water-supply from the Ipswich River. For details see advertisement under "Contracts to Be Let." Noted Aug. 20 and Jan. 21.

Gloucester, N. J.—The Council contemplates issuing bonds for $10,000, the proceeds of which will be used for the improvement of the water system. Noted Jan. 21.

Newark, N. J.—Bids will be received until Feb. 24 by the Board of Freeholders for the installation of an additional water-supply for the Overbrook Hospital. Runyon & Carey, 845 Broad St., Newark, is Consult. Engr. Noted Dec. 3.

★**Perth Amboy, N. J.**—(Official)—Bids will be received until 8 p.m., Mar. 24, by the Board of Water Commissioners for one 12,000,000-gal. pumping engine. Peter Kroeger is Clk. of Bd. For details see advertisement under "Contracts to Be Let."

Lancaster, Penn.—(Official)—The Borough of Lancaster plans to make improvements to the pumping station by adding vertical pumping engines and boilers. I. Carpenter is City Engr.

Philadelphia, Penn.—The low bidder for laying a 48-in. water main in 53d St. and in 57th St. was the McNichol Paving & Construction Co., at $42,596. Noted Nov. 12 and Jan. 14.

✚**Philadelphia, Penn.**—(Official)—The contract has been awarded to the SNARE & TRIEST CO., Broadway, New York, N. Y., at $443,440 for constructing a sedimentation basin at the Torresdale filters. Noted Jan. 14.

Dublin, Va.—Bids will be received, according to press reports, until Feb. 20 by J. A. Gaines, Clk., for making extensions to the water system.

Mingo, W. Va.—An election will be held to vote on the question of issuing $39,000 in bonds, the proceeds of which will be used for the construction of a water system.

La Grange, N. C.—The city plans to construct a water system and an electric-light plant.

Southport, N. C.—According to press reports the city will construct water and sewer systems at an estimated cost of $40,000. The J. B. McCrary Co., Atlanta, Ga., is Engr.

✚**Columbia, S. C.**—Contracts have been awarded to the HOPE ENGINEERING & SUPPLY CO., Pittsburgh, Penn., for laying about 10 miles of water and sewer mains; LORICK & LOWRANCE, Columbia, at $5543 for sewer pipe; and A. J. BOYLE, Baltimore, Md., at $26,833, will furnish the water pipe. Noted Nov. 26 and Jan. 14.

Walterboro, S. C.—Bonds for $18,000 have been sold, the proceeds of which will be used for the extension of the water system. Noted May 28 and July 30.

Richland, Ga.—An election will be held Mar. 24 to vote on the question of issuing $20,000 in bonds, the proceeds of which will be used for the extension of the water and light systems.

Lakeland, Fla.—Bids will be received until Mar. 18 by C. D. Clough, Secy. Bd. of Bond Trustees, for the purchase of $130,000 in bonds, the proceeds of which will be used for the improvement of the water system and electric light plant. Noted June 4 and Oct. 22.

Beloit, Ohio—The citizens contemplate constructing a water system. F. B. Crist is Village Clk.

✚**Bowling Green, Ohio**—The contract has been awarded by the Board of Trustees of the Bowling Green State Normal College to FITZPATRICK & HAFFNER, Columbus, at $45,881, for constructing a fireproof building, stack, tunnel system, water system and softening plant, steam mains and pumps. Noted Dec. 17 and Jan. 21.

Coshocton, Ohio—(Official)—Plans have been prepared by Chester & Fleming, Engr., Pittsburgh, Penn., for the construction of a 3,000,000-gal. reinforced-concrete covered reservoir. Noted Jan. 7.

East Liverpool, Ohio—(Official)—We have been advised that Chester & Fleming, Union Bank Bldg., Pittsburgh, Penn., was not awarded the contract for the construction of a mechanical filtration plant but has been retained by the city to prepare plans and supervise the construction of the mechanical filtration plant, pumping station and high service system. The estimated cost is $375,000. Noted Nov. 19 and Feb. 11.

Marion, Ohio—Permission has been granted to the Marion Water Co. to issue $60,000 in bonds, the proceeds of which will be used for the extension of its water system. Noted Nov. 19.

Napoleon, Ohio—The Board of Public Affairs, according to press reports, will retain an engineer to prepare plans for the installation of a filtration plant. Noted Dec. 24.

South Newburg, Ohio—(Cleveland post office)—(Official)—Bids will be received until noon, Feb. 27, by H. H. Bohnin, Clk., for constructing water mains in Turney Rd. and Granger Rd. Specifications are on file with Ralph Hecker, Leader News Bldg., Cleveland.

Springfield, Ohio—Bids will be received until Mar. 10 by the Building Commission for constructing a water system at the County Infirmary. Robert C. Gotwald, Gotwald Bldg., is Arch., and George McCord, 1533 North Limestone St., is Pres. of Comn.

Toledo, Ohio—Bids will be received until noon, Feb. 25, by A. W. Boardman, Dir. of Pub. Ser., for laying a 24-in. water main across the Maumee River.

Yellow Springs, Ohio—The Village Council plans to install a water system.

Bloomington, Ill.—Water mains will be laid in Longworth, Denver, Linden and Robinson St. The estimated cost is $5960. Seth S. Noble is Supt. of Water-Wks.

Cicero, Ill.—Water mains will be laid in South 61st Ave., South 60th Court and in West 25th Pl. L. Mongnerg is City Engr.

Herrin, Ill.—According to press reports the city will build a filtration plant at an estimated cost of $18,000.

✚**Ipava, Ill.**—(Official)—The contract for making improvements and extensions to the water system has been awarded to MONIE & DUNBAR, St. Louis, Mo., at $5070. Other bidders were: Caldwell, Paulson & Weaver, $5528; Arrow Engineering Co., $5473 and T. H. Woolcax (incomplete), $4880. The Fuller Coult Co., St. Louis, Mo., is Engr. Noted Jan. 14.

✚**Appleton, Wis.**—The contract for 5700 ft. of c.-i. water pipe has been awarded by the city to the AMERICAN CAST IRON PIPE CO., Birmingham, Ala., at $22.50 per ton.

Oshkosh, Wis.—The city plans to spend $40,000 for making improvements to the water system. B. J. Daly is Chn. of Executive Com.

Muscatine, Iowa—William Molis, Supt. of Water-Wks., has stated that the city will lay about 30 blocks of water mains this summer.

Manhattan, Kan.—Plans, prepared by Worley & Black, Engr., Kansas City, Mo., for the installation of a water system, have been approved by the City Commissioners. The estimated cost is $72,000. Noted Jan. 14.

Cut Bank, Mont.—The City Council has authorized the extension of the water system at an estimated cost of $8000. S. L. Potter is Mayor.

Fortine, Mont.—The Town Council plans to construct a water system, plans for which are being prepared.

Philipsburg, Mont.—The Council contemplates issuing bonds for the construction of a municipal water system.

St. Louis, Mo.—Bids will be received until noon, Feb. 19, by the Board of Public Service for installing two 350-hp. water tube boilers, coal handling machinery and six chain-grate stokers at High Service Station No. 2. William T. Findly is Secy.

✚**Sedalia, Mo.**—(Official)—Contracts have been awarded by the Sedalia Water Co. to the PITTSBURGH FILTER MFG. CO., for a 3,000,000-gal. mechanical filter and to JOHNSON & SONS, Sedalia, for a reinforced-concrete covered reservoir. Chester & Fleming, Pittsburgh, Penn., is Engr. Noted Mar. 2, 1914.

Heber Springs, Ark.—The J. B. McCrary Co., Atlanta, Ga., has been retained by the city, according to press reports, to estimate the cost of the construction of water and sewer systems. Noted Dec. 17.

Groesbeck, Tex.—Bonds for $10,000 will be issued by the city, the proceeds of which will be used for the extension of the water system. J. W. Thompson is City Clk.

Magnolia Park, Tex.—(Houston post office)—Bids will be received until Feb. 23 by W. H. Farrington, Secy., for constructing a water system. Noted Dec. 24 and Feb. 4.

Wills Point, Tex.—An appropriation of $10,000 has been made for the construction of a distribution pipe for the water system. H. Gilchrist is Mayor.

✚**Cordell, Okla.**—The contract for the construction of water-works extensions was awarded Feb. 9 to the HUMRICHOUSE CONSTRUCTION CO., at $64,150. Other bidders were: Municipal Engineering & Construction Co., $70,713; Sherman Machine & Iron Works, $71,677; Tonkawa Construction Co., $75,577; Hope Engineering & Supply Co., $77,763; Chas. H. Shaw, $79,302.60; Connor Construction Co., $79,841; F. W. Keeney & Co., $80,643; H. A. Kenner & Co., $83,230; L. F. Lee, $84,240; J. S. Terry Construction Co., $90,215 and Greoger, Little & Crawford, $97,615. The Benham Engineering Co., Oklahoma, Okla., is Consult. Eng. and will have charge of the supervision of the work. Noted Feb. 4.

Montrose, Colo.—(Official)—Bids will be received until 10 a.m., Feb. 25, by the City Council for the purchase of $90,000 in bonds, the proceeds of which will be used for the reconstruction and extension of the water system. A. E. Tuttle is City Clk. Noted Sept. 17.

Seattle, Wash.—Bids will be received until Mar. 15 by J. B. Cavanaugh, Burke Bldg., for two 30-in., one 10-in. and one 2½-in. electric pumps. The estimated cost is $30,000.

Oswego, Ore.—The Oswego Lake Water, Light & Power Co. has been incorporated by F. H. Strong, A. S. Pattulo and Isaac D. Hunt, Portland, for the purpose of constructing a water system.

Arcadia, Calif.—Bonds for $130,000 have been voted by the citizens, the proceeds of which will be used for the construction of a new water system. Noted Nov. 5.

Fresno, Calif.—The Mountain View Improvement Association plans to install a water system in its cemetery. A. L. Hobbs is Pres.

San Diego, Calif.—(Official)—The contract will be awarded to C. H. Julian, San Diego, for laying about 40,000 ft. of 28-in. steel pipe. Bids were opened Jan. 27. Noted Sept. 21.

✚**San Francisco, Calif.**—A contract has been awarded by the Panama-Pacific International Exposition to JOHN R. CAHILL, at $14,575 for installing a filtration plant and pump for the auxiliary water-works.

Chatham, N. B.—An election will be held to vote on the question of issuing $20,000 in bonds, the proceeds of which will be used for the construction of a concrete reservoir.

Montreal, Que.—An appropriation of $100,000 has been made by the City Council for laying water pipe.

Hamilton, Ont.—Plans are being prepared by A. F. McCallum, City Engr., for the construction of a new pumping station. The estimated cost is $59,000.

Toronto, Ont.—Bids will be received until Mar. 2 by T. L. Church, Chn. Bd. of Control, for stop valves and a 36-in. check valve.

★**Toronto, Ont.**—(Official)—Bids will be received until noon, Apr. 13, by T. L. Church, Chn. Bd. of Control, for automatic and check valves. For details see advertisement under "Contracts to Be Let."

✚**Vancouver, B. C.**—The contract has been awarded to the VANCOUVER PLUMBING & HEATING CO., Dominion Bldg., Vancouver, for constructing the Sister Creek water-supply at $98,612, in West Vancouver. Noted Dec. 24 and Jan. 14.

SEWERS

✚**Boston, Mass.**—The contract for sewerage work at the Beach St. outlet has been awarded by the Public Works Department to the MARCELLO CONSTRUCTION CO., at $3907.

✚**Boston, Mass.**—The contract has been awarded by the Public Works Department to M. ROSS & SON CO., at $18,744, for constructing sewers in East and South St. Bids were opened Jan. 26. Noted Jan. 21.

✚**Boston, Mass.**—The contract for sewerage work at the Orleans St. outlet has been awarded to the MARCELL CONSTRUCTION CO., at $3765. Bids were opened Feb. 1. Noted Jan. 28.

Framingham, Mass.—A special Sewerage Committee will soon make a report of the advisability of extending the sewer system to Framingham Center and Saxonville. The estimated cost is $300,000.

✚**Northampton, Mass.**—The contract has been awarded to WALDO BROS., Boston, at 76% of standard, by the Board of Sewer Commissioners for vitrified sewer pipe for 1915.

Hartford, Conn.—The contract for constructing sewers in Franklin Ave., Montowese St. and Victoria Rd. has been awarded to O'NEIL BROS., Farmington Ave., Hartford, at $8800. Noted Jan. 21 and Feb. 4.

✚**New Haven, Conn.**—The contract has been awarded to THOMAS F. MAHER and R. D. DAILEY & CO., New Haven, at $7100, for constructing a storm-water sewer in Edgewood Ave. Bids were opened Feb. 11. Noted Jan. 28.

Briarcliff Manor, N. Y.—Plans have been completed by Clyde E. Potts, 30 Church St., New York, for the construction of a sewage disposal system. The estimated cost is $60,000.

★**Mt. Morris, N. Y.**—(Official)—Bids will be received until noon, Feb. 26, by the Municipal Board for constructing about nine miles of pipe sewers and sewage disposal works. C. C. Hopkins, Cutler Bldg., Rochester, is Engr. For details see advertisement under "Contracts to Be Let." Noted Dec. 24.

✚**New York, N. Y.**—(Borough of Manhattan)—(Official)—The contract has been awarded to P. REILLY at $9190 for laying new sewers in various streets. Bids were opened Jan. 28. Noted Jan. 21, Feb. 4 and 11.

New York, N. Y.—(Borough of Queens)—(Official)—Bids will be received until 11 a.m., Feb. 26, by Maurice E. Connley, Pres. Borough of Queens, for constructing sewers in various streets.

Newark, N. J.—(Official)—Bids were received by the Passaic Valley Sewerage Commissioners for constructing Section 8, northerly portion, of the Main Intercepting Sewer as follows: (A) Tunnel method; (B) open trench method. Dock Contractor Co., Hoboken, (A) $347,711; Mason & Hanger Co., New York, N. Y., (A) $344,760, (B) $236,680; Booth & Flinn, Ltd., New York, N. Y., (A) $330,114; Charles A. Haskin, Boston, Mass., (A) $328,548; Arthur McMullen, New York, N. Y., (A) $320,350, (B) $319,195; Oscar Daniels Co., New York, N. Y., (A) $297,800, (B) $269,635; Newark Paving Co., Newark, (B) $294,221; Culp Co., Inc., Paterson, (B) $291,111, and the New York & New Jersey Construction Co., Newark, (B) $288,160.

Newton, N. J.—The Town Committee will construct sewers in Franklin, Foster and Thompson St. to connect with the Liberty St. sewer.

North Wildwood, N. J.—(Ottens post office)—The construction of a sewer system, estimated to cost $35,000, is contemplated by the town. L. M. Rice, Wildwood, is Engr.

Westfield, N. J.—The town is having plans prepared for the construction of a relief sewer in Rahway Ave.

West Chester, Penn.—According to press reports, at an election held Feb. 2 the citizens voted in favor of building a sewer system and disposal plant at an estimated cost of $28,000.

Baltimore, Md.—Bids will be received by the Board of Awards until Feb. 24 for constructing a storm-water sewer under Contract No. 36, covering section No. 2 East Low Level Interceptor. H. W. Rodgers, American Bldg., is Secy.

Southport, N. C.—See item under "Water Supply—Irrigation."

Walterboro, S. C.—Bonds for $12,000 have been sold, the proceeds of which will be used for the installation of a sewer system.

Granville, Ohio—(Official)—Bids will be received until noon, Mar. 9, by the Village Council for constructing a sewerage system and a sewage disposal plant.

Norwood, Ohio—Bids will be received until Feb. 3 by H. J. Pierson, Dir. of Pub. Ser., for constructing a storm water sewer.

✚**Sandusky, Ohio**—(Official)—The contract for constructing a storm and sanitary sewer in Monroe St. has been awarded to M. J. CALLAN & SONS, Sandusky. Noted Dec. 31 and Jan. 14.

✚**Franklin, Ind.**—A contract for constructing a sewer has been awarded by the City Council to LEE & PEDRICK, at $6500.

South Bend, Ind.—Bids will be received until Feb. 23 by A. P. Perley, City Clk., for constructing 12- and 18-in. vitrified pipe sewers.

✚**Manitowoc, Wis.**—The contract for constructing sewers in Franklin and 13th St. has been awarded to W. C. BAHR, Manitowoc, Wis., at $17,880. Other bids were: H. A. Pitz, Manitowoc, $18,354; Gray-Robinson Co., Manitowoc, $18,935.

✚**Merrill, Wis.**—A contract for constructing a part of the main sewerage system has been awarded by the Board of Public Works to THORNTON BROS., St. Paul, Minn., at $32,000.

Superior, Wis.—Bonds for $32,000 have been sold, the proceeds of which will be used for constructing sewers.

Virginia, Minn.—Official)—The City Council contemplates the construction of new sewers. The work will be done by day labor. E. F. Johnson is City Engr.

Broken Bow, Neb.—(Official)—At the election held Feb. 9 the question of issuing $17,000 in bonds for constructing sewers was defeated. Noted Feb. 4.

Norfolk, Neb.—According to press reports an election will soon be held to vote on the question of issuing $11,000 in bonds for constructing storm sewers.

✚**Mitchell, S. D.**—(Official)—A contract for constructing a lateral sewer has been awarded to AIKEN CONSTRUCTION CO., Fargo, N. D., at $12,611. Other bids were: Alimo Engine & Supply Co., Omaha, Neb., $15,858; William B. Bosworth, Ada, Minn., $12,613; Pioneer Bridge Co., Mitchell, S. D., $15,550. Noted Jan. 21.

★**Butte, Mont.**—(Official)—Bids will be received until 5 p.m., Mar. 15, by John C. Driscoll, City Clk., for constructing 13 miles of 8-, 10- and 12-in. sanitary sewers for the South Side. W. J. Flood is Comr. Pub. Wks.

Mount Ayr, Mo.—Plans are being prepared by Theodore DeLay, City Engr., for constructing a sewer system.

Springfield, Mo.—Bids will be received until Mar. 2 by S. R. Fisher, City Engr., for constructing two district sewers, estimated to cost $12,000.

Lewistown, Idaho—Bids will be received about Feb. 25 for constructing about 12 blocks of lateral sewers. The estimated cost is $15,000.

Enterprise, Ore.—Bids will be received until Mar. 22, by the City Council for constructing a sewer system, estimated to cost $20,000. J. C. Edsall is Engr.

✚**Los Angeles, Calif.**—The contract for constructing a sewer in Long Beach Ave. between Vernon Ave. and 36th St. has been awarded to J. C. WUKOJEVICH, at $7975.

Vancouver, B. C.—Press reports state that bids will be received until Mar. 1 by the Vancouver District Joint Sewerage and Drainage Board, 718 Granville St., for constructing the Clark Drive sewer. Noted Dec. 10.

Vancouver, B. C.—Press reports state that the City Engineer will prepare plans for constructing sewers in Tenth St., North Vancouver, estimated cost $16,000.

GARBAGE

Dublin, Ga.—The City Council has adopted a resolution providing for the installation of a garbage incinerator.

Valdosta, Ga.—Press reports state that the City Council is contemplating the installation of a garbage incinerator.

Cleveland, Ohio—The Council voted an appropriation of $30,000, Feb. 1, for the construction of improvements at the Newburg Heights garbage disposal plant.

★**Dayton, Ohio**—(Official)—Bids will be received until noon, Feb. 26, by Fowler J. Smith, City Pur. Agt., City Bldg., for furnishing the equipment for a garbage disposal plant. For details see advertisement under "Contracts To Be Let."

Lansing, Mich.—The Council has rejected all bids received for the collection of garbage. Noted Dec. 31.

Independence, Kan.—(Official)—C. H. Kerr, Mayor, writes that the city contemplates the construction of a garbage incinerator to cost about $5000. Noted Jan. 14.

Fort Worth, Tex.—Herring & Gregory, Consult. Engr., New York, has filed a report with the City Secretary on sewage disposal in which the construction of a garbage disposal plant is recommended.

STREETS AND ROADS

Boston, Mass.—It is proposed to construct a two-mile boulevard from Harvard Bridge to the Middlesex Fells Parkway across Cambridge and Somerville, in order to connect the Boston Park system with the Metropolitan North system. Estimated cost, $500,000. John R. Rablin is Ch. Engr. of Metropolitan Park Comn.

✚**Providence, R. I.**—Contracts have been awarded by the Board of Contract & Supply for paving Broad St. to the NARRAGANSETT IMPROVEMENT CO., $117,373; Warren and Knight St. to the WARREN BROS. CO., Boston, Mass., $19,631 and $15,568, respectively. Noted Dec. 24 and Jan. 7.

New York, N. Y.—(Borough of Manhattan)—(Official)—All bids received Feb. 4 by the President of the Borough for regrading 155th St. from Broadway to Riverside Drive and for widening a section of Riverside Drive were rejected. The work will be readvertised.

New York, N. Y.—(Borough of Manhattan)—(Official)—Bids will be received until noon, Feb. 24, by R. A. C. Smith, Comr. of Docks and Ferries, Pier A, Battery Pl., North River, for improving Marginal St. and piers of the North, East and Harlem Rivers.

New York, N. Y.—(Borough of Manhattan)—(Official)—Bids will be reecived until 2 p.m., Feb. 26, by the Borough President for improving 156th St. from Marginal St. to Eighth Ave., and east and west sides of Second Ave. from 15th to 17th St. in front of Stuyvesant Park; also for 6000 cu.yd. paving gravel, 7000 cu.yd. sand, 2500 cu.yd. concrete gravel and 50000 cu.yd. asphaltic wearing surfacing sand.

New York, N. Y.—(Borough of Richmond)—(Official)—Bids will be received until noon, Feb. 23, by the Borough President, for improving Cotton St. from Arrietta to Griffin St.

Jersey City, N. J.—The Board of City Commissioners will receive bids until 2 p.m., Feb. 25, for paving High St. from Summit to Baldwin Ave. with brick pavement. Michael I. Fagen is City Clk.

★**Mount Holly, N. J.**—(Official)—Bids will be received until 11.30 a.m., Mar. 1, by the Road Committee of the Board of Chosen Freeholders for resurfacing several stone roads in Burlington County. For particulars see advertisement under "Contracts To Be Let."

★**Roselle Park, N. J.**—(Elizabeth post office)—(Official)—Bids will be received until 8.30 p.m., Mar. 5, by the Mayor and Borough Council for constructing concrete pavements and appurtenances. For particulars see advertisement under "Contracts To Be Let."

Rutherford, N. J.—Press reports state that the City Council plans to macadamize Erie Ave. at an estimated cost of $20,000. Wise & Watson, Rutherford, is Engr.

Trenton, N. J.—The Trenton & Mercer County Traction Co. contemplates repaving South Clinton Ave. from Liberty to Remsen St.

Allentown, Penn.—The State Highway Department contemplates building a modern highway, from Allentown, through Bethlehem, to Easton, a distance of about 17 miles.

Allentown, Penn.—Bids will be received until Mar. 15 by the Commissioners of Lehigh County for rebuilding the turnpike between Macungie and Shimersville in Upper Milford Township. H. C. Weinert is Clk. of County County Comrs.

Bethlehem, Penn.—The City Council contemplates paving streets during the coming season as follows: West Broad st. from First to Tenth Ave., East Broad St. from Center to Linden St., and Linden St. from Broad St. to the borough limits, a total distance of about three miles. Victor E. Tice is Secy. of Council.

✚**Baltimore, Md.**—A contract for paving various streets with sheet asphalt has been awarded to the AMERICAN PAVING CO., Montebello and Jenkins Ave.

✚**Baltimore, Md.**—The contract for grading and paving Section 2 of Key Highway with granite blocks on concrete base has been awarded to the CONSOLIDATED ENGINEERING CO., 243 Calvert Bldg., at $196,588.

Huntington, W. Va.—The citizens of Cabell County contemplate voting on the question of issuing $600,000 in bonds for constructing roads.

Parkersburg, W. Va.—At a recent election the citizens voted in favor of issuing $200,000 in bonds for constructing sidewalks, curbs and sewers. Allen C. Murdoch is Mayor.

Marshall, N. C.—Bonds for $150,000 were sold Jan. 18, the proceeds of which will be used for improving roads.

✚**Smithfield, N. C.**—(Official)—A contract for constructing a road in Ingram Township, Johnston County, has been awarded to HENNING & HAGEDORN, Walnut Cove, N. C., at $40,000. Noted June 25.

Taylorsville, N. C.—The citizens of Alexander County will vote Mar. 9 on the question of issuing $150,000 in bonds for constructing roads.

Bradentown, Fla.—The citizens of Sarasota-Venice District, Manatee County, will vote Mar. 15 on the question of issuing $250,000 in bonds for constructing roads and bridges.

Miami, Fla.—The citizens of Dade County will vote Mar. 16 on the question of issuing $100,000 in bonds to place hard surface oil coating on main highway from the north county line to Florida City.

✚**Mobile, Ala.**—The contract for surfacing Capitol St. has been awarded to F. G. PROUDFOOT, Chicago, Ill., at $4720.

Troy, Ala.—According to press reports the City Council contempltaes paving a number of streets.

Clarksdale, Miss.—Bids will be received until Mar. 3 by the Commissioners of Coahoma County for constructing 3½ miles of gravel road, 16 ft. wide. J. R. Shidler is Engr. S. L. Carr is County Clk. Noted July 2.

Laurel, Miss.—The City Council contemplates paving Front and Seventh St.

Starkville, Miss.—Bids will be received until Mar. 1 by the Board of Supervisors for the sale of $130,000 in bonds, the proceeds of which will be used for improving roads. Noted Oct. 8.

Paducah, Ky.—An election will be held Feb. 27 to vote on the question of issuing $300,000 in bonds for constructing roads.

Canton, Ohio—Bids will be received until Feb. 24 by C. L. Stoner, Clk. of the Bd. of Comrs., for improving the Alliance-Bolton, Massillon-Millersburg, Magnolia-Sparta and Navarre-Justus Rd.

✚Lima, Ohio—The contract for paving North West St. has been awarded to MICHAEL O'BRIEN, Lima, at $10,203.

Marysville, Ohio—Bids will be received until Feb. 27 by Charles A. Morelock, County Audr., for improving the Houseman Rd.

✚Mt. Gilead, Ohio—The contract for constructing the Mozier-Gruber Rd., Canaan Township, has been awarded to J. D. GILLESPIE, at $10,454. Noted Jan. 14.

✚Norwalk, Ohio—The contract for paving League, Corwin and Prospect St. has been awarded to the MODERN CONSTRUCTION CO., at approximately $47,253. Noted Jan. 28.

Ottawa, Ohio—Bids will be received until 1 p.m., Feb. 24, for macadamizing two miles of road. E. McCaharan is Audr. of Putnam County.

✚Troy, Ohio—The contract for paving South Market St. has been awarded to the ANDREWS ASPHALT CO., Hamilton, at $23,000. Noted Jan. 21.

Zanesville, Ohio—Bids will be received until Feb. 27 for improving Adamsville Rd. A. J. Voll is Clk. of Bd. of Pub. Ser.

Indiana—(Official)—Bids will be received for constructing roads in Indiana as follows:

Wabash, until 1.30 p.m., Mar. 3, by the Commissioners of Wabash County for constructing three roads in Noble Township and one in Waltz Township.

Columbus, until 10 a.m., Mar. 5, by the Commissioners of Bartholomew County for constructing crushed stone roads in Hawcreek and Clifty Townships. W. H. Scott is County Audr.

Warsaw, until 2 p.m., Mar. 5, by the Commissioners of Kosciusko County for constructing a road in Lake Township. V. D. Mock is County Audr.

✚Delphi, Ind.—A contract for constructing the Jefferson Township Rd. has been awarded by the Commissioners of Carroll County to SMITH BROS., Flora, Ind., at $5100.

Monticello, Ind.—(Official)—Bids will be received until 10 a.m., Mar. 2, by the Commissioners of White County for constructing a road in West Point Township. A. G. Fisher is Audr.

Peru, Ind.—(Official)—Bids will be received until noon, Mar. 8, by the Commissioners of Miami County for constructing gravel roads in Butler, Jefferson and Washington Townships. J. K. McElheny is County Audr.

Plymouth, Ind.—Bids will be received until 2 p.m., Mar. 15, by George A. Maxey, County Treas., for the sale of $91,500 in bonds for constructing highways.

✚Rensselaer, Ind.—A contract for constructing a stone road in Walker Township has been awarded to A. S. KEENE, Wheatfield, Ind. Noted Jan. 14.

✚Shelbyville, Ind.—A contract for constructing a gravel road in Shelby County has been awarded to WILLIAM AVERY, Waldron, at $8100. Noted Jan. 21.

✚Wabash, Ind.—(Official)—A contract for constructing a macadam road in Liberty Township has been awarded by the Commissioners of Wabash County to TABER & HULLIHAN, Wabash, at $13,727. Noted Jan. 21.

Flint, Mich.—(Official)—Bids will be received until Feb. 23 for constructing an asphalt plant. Ezra C. Shoecraft is City Engr.

Peoria, Ill.—The Board of Local Improvements has voted in favor of paving Stanley St. with brick.

Springfield, Ill.—(Official)—Bids will be received until 11 a.m., Feb. 23, by the State Highway Commission for road work as follows: Cook County, Route 3, Section G, 12,957 lin.ft. of concrete, estimated cost $34,470; Madison County, Routes 1 and 11, Section A, 9000 lin.ft. of brick, estimated cost $33,366; Winnebago County, Route 11, Section B, 6200 lin.ft. of concrete, estimated cost $18,582; Winnebago County, Route 10, Section A, 5280 lin.ft. of concrete, estimated cost $15,563; Whiteside County, Route 1, Section B, 4400 lin.ft. of concrete, estimated cost $8816; Whiteside County, Route 1, Section C, 2000 lin.ft. of concrete, estimated cost $4152; Alexander County, Route 1, Section A, 5100 lin.ft. of gravel, estimated cost $5992. All cement to be furnished by the State for all counties with the exception of Alexander County.

Watertown, Wis.—Bids will be received until 2 p.m., Mar. 9, for improving Eighth St. from Main St. to Western Ave.

Mason City, Iowa—(Official)—Bids will be received until 10 a.m., Feb. 24, for paving 70,000 sq.yd. with either sheet asphalt, brick blocks or concrete. The estimated cost of the work is $126,000. F. P. Wilson is City Engr.

Lewistown, Mont.—Plans are being prepared by the City Engineer for about 40,000 sq.yd. of paving in the business section.

Lake Village, Ark.—The city contemplates paving various streets. William Yerger is Mayor.

Anderson, Tex.—The citizens of Grimes County will vote Mar. 3 on the question of issuing $65,000 in bonds for constructing roads in District No. 5, Precinct No. 1.

Corpus Christi, Tex.—At the election held Feb. 5 the citizens voted in favor of issuing $100,000 in bonds for street paving. Noted Jan. 7 and 14.

Cuero, Tex.—At a recent election the citizens of Dewitt County voted in favor of issuing $50,000 in bonds for constructing about 14 miles of road.

Denton, Tex.—At a recent election the people voted in favor of issuing $10,000 in bonds for improving streets.

Kountze, Tex.—Press reports state that an election will be held Feb. 20 for the purpose of voting on the question of issuing $150,000 in bonds for constructing and improving roads in District No. 1.

Longview, Tex.—The citizens of Gregg County contemplate holding an election for the purpose of voting on the question of issuing $300,000 in bonds for constructing about 75 miles of macadam roads.

Davenport, Wash.—Bids will be received until Mar. 2 for constructing 12.53 miles of gravel macadam road. H. D. Mills is County Comr.

✚North Yakima, Wash.—The contract for constructing the Granger-Outlook Rd. has been awarded to A. H. ZANE & CO., at $9475.

Tacoma, Wash.—W. C. Raleigh, City Engr., has been authorized by the City Council to prepare plans for paving Pacific Ave. from 64th to 96th St.

✚Portland, Ore.—The contract for grading and constructing concrete sidewalks on 72d St., S. E., has been awarded to ARTHUR G. KERN, at $5116.

✚Portland, Ore.—A contract for paving East 45th St. with asphaltic concrete has been awarded to MONTAGUE-O'REILLY CO., at $9552.

Eureka, Calif.—Bonds for $150,000 were sold Feb. 9, the proceeds of which will be used for constructing and improving highways.

Long Beach, Calif.—Bids will be received until 2 p.m., Feb. 24, by the Board of Public Works for improving Anaheim St.

✚Los Angeles, Calif.—The contract for improving West First St. from Canal to J St. has been awarded to FAIRCHILD-GILMORE WILTON CO., at $32,002.

Redwood City, Calif.—(Official)—Bids will be received until Mar. 1 by the Board of Supervisors of San Mateo County for constructing 4.26 miles of oil macadam on Menlo Park to Portola Rd., 2.10 miles of oil macadam and ½ mile concrete base on San Mateo to Half Moon Bay Rd.

Redwood City, Calif.—(Official)—Bids will be received until Mar. 15 by the Board of Supervisors of San Mateo County for constructing 6 miles macadam pavement on Colma to Half Moon Bay Rd., 5 miles macadam pavement on Half Moon Bay Rd. to Pescadero Rd., 2 miles oil macadam pavement on Belmont Rd. to Crystal Springs Rd., and 2.5 miles gravel road near La Honda.

✚Redwood City, Calif.—The Board of Supervisors of San Mateo County has awarded a contract for the construction of the highway from Menlo to Portola, to the CLARK & HENERY CONSTRUCTION CO., at $23,564; and for the construction of the highway from Colma to Edgemar to the COLMA CONSTRUCTION CO., at $44,133.

✚Richmond, Calif.—The City Council has awarded a contract for street paving to GEORGE W. CUSHING, Richmond, at $19,309.

✚Sacramento, Calif.—(Official)—Bids were received Feb. 1 by the State Highway Commissioners for constructing a road in Butte County from Nelson to Chico, about 12.6 miles as follows: Tieslau Bros., San Francisco, $81,885; Chico Construction Co., Chico, $84,236; M. Jacinto, Sacramento, $92,208; Hoffman & McLaren, Oakland, $88,891; John W. McDonald, Jr., San Francisco, $84,853; Twohy Bros. Co., San Francisco, $91,179; WHITLOCK & GORRILL, San Francisco, $70,042 (awarded contract); A. H. Gorrill & A. W. Gorrill, San Francisco, $71,268; F. Rolandi, San Francisco, $74,491; L. F. Gerdetz, San Francisco, $77,106. Noted Jan. 21.

INDUSTRIAL WORKS

Southbridge, Mass.—The Dupaul-Lockhart Co. has been incorporated with a capital of $150,000. The company will construct a factory on Worcester St.

Providence, R. I.—The Dolby Ice Cream Co. will construct a two-story, 50x60-ft. plant. Frank E. Brown, New Haven, Conn., is Arch.

✚Bridgeport, Conn.—The American Chain Co. has awarded the general contract to the SAMUEL AUSTIN & SONS CO., 14,230 Euclid Ave., Cleveland, Ohio, for the construction of two buildings at its plant on Connecticut Ave. The structures will be one-story, 35x70 ft., and one-story, 54x132 ft.

Mount Vernon, N. Y.—Plans have been revised by S. A. Guttenberg, Arch., for the construction of a two-story, 40x110-ft. factory on Pearl St. for the Benford Mfg. Co. Noted Aug. 6 and Oct. 1.

Mount Vernon, N. Y.—A. Murray Jenks, Arch., has prepared plans for the construction of a two-story, 50x100-ft. factory at West Mount Vernon for the Willow Brook Dairy Co.

New York, N. Y.—(Borough of Bronx)—The Rock Plaster Mfg. Co. plans to construct three corrugated-steel storage houses. The estimated cost is $12,000. A. C. Fox, 1123 Broadway, New York, is Arch.

New York, N. Y.—(Borough of Brooklyn)—Plans have been prepared by P. Tillion & Son, Arch., 381 Fulton St., for the construction of a two-story mill on Vandam St. near Nassau Ave. for J. W. Moore, 307 Kingsland Ave. Estimated cost, $10,000.

New York, N. Y.—(Borough of Brooklyn)—Abraham Weinstein, Arch., 100 Richardson St., is preparing plans for the construction of a two-story 73x80-ft. factory on Frost St. The estimated cost is $14,000.

New York, N. Y.—(Borough of Manhattan)—Plans have been prepared by I. G. Feiner and S. Walter Katz, Arch., 505 Fifth Ave., for the construction of a 16-story, 39x249-ft. factory and store building at Broadway and Sixth Ave. near 30th St. for Walter F. Hopper. The estimated cost is $350,000.

✚Rochester, N. Y.—Contracts for the construction of a five-story, 100x153-ft. warehouse on Exchange Ave. for George C. Buell & Co., have been awarded as follows: General contract, E. K. FENNO, Syracuse; steel, AMERICAN BRIDGE CO. The estimated cost is $75,000. Noted Dec. 3.

Rochester, N. Y.—Plans have been prepared by J. H. Oberlies for the construction of a two-story, 84x207-ft. addition on Norton and Hollenbeck St. for W. N. Clark & Co. The estimated cost is $50,000.

Tuckahoe, N. Y.—W. L. Stoddard, Arch., 9 East 40th St., New York, is preparing plans for the construction of a four-story, 50x150-ft. factory and office building for the Hodgman Rubber Co., 806 Broadway, New York. The estimated cost is $75,000.

Asbury Park, N. J.—The Mergaugey-Payntar Storage & Express Co., 1001 First Ave., will rebuild its plant, recently destroyed by fire with a loss of $175,000.

Camden, N. J.—The Keystone Leather Co. has had plans prepared by William Steele & Sons Co., Arch., Philadelphia, Penn., for the construction of a four-story, 66x224-ft. reinforced-concrete factory. The estimated cost is $90,000.

✚Leonia, N. J.—The BELMONT BRIDGE WORKS has been awarded the contract for 350 tons of steel for the construction of a factory and studio for the Universal Film Mfg. Co. Noted Jan. 14.

Trenton, N. J.—(Official)—Frank W. Bunn, Engineering Dept. of John A. Roebling's Sons Co., informs us that general plans are being considered but nothing definite has been decided for the reconstruction of its plant. The work will be in charge of the company's forces. Noted Feb. 4.

Lebanon, Penn.—Burdan Bros., Partridge Ave. and the Cornwall & Lebanon R.R., is having plans prepared for the construction of a two-story factory. The estimated cost is $20,000.

✚Pen Argyle, Penn.—The Lehigh & New England R.R., Bethlehem, has awarded the contract to F. D. HYDE, 90 West St., New York, N. Y., for the construction of a group of concrete shops. The group includes a 160x260-ft. main building, a 40x250-ft. storehouse and office building, an oil storage house and a roundhouse. The entire cost is about $100,000. S. D. Warriner, Philadelphia, is Pres., and H. G. Bonney, Pen Argyle, is Gen. Foreman of Shops.

✚Philadelphia, Penn.—The contract for the construction of a plant for the Norris Market Ice Mfg. & Cold Storage Co., Third and Norris St., has been awarded to the PHILIP HAIBACH CONTRACTING CO., 26th and Thompson St. Estimated cost, $60,000. Peuckert & Wunder, 310 Chestnut St., is Arch.

Philadelphia, Penn.—Bids will be received about Mar. 1 for the construction of an eight-story reinforced-concrete warehouse at Delaware Ave. and Pine St. for the Pennsylvania Warehousing & Safe Deposit Co., 113 South Third St. The estimated cost is $100,000. Noted Jan. 28.

Philadelphia, Penn.—Plans have been prepared for the construction of a triangular, reinforced-concrete factory at 18th and Cambria St. for the Linde Air Products. Noted Oct. 22.

Pittsburgh, Penn.—(Official)—Plans are being prepared by Charles Bickel, Arch., May Bldg., for the construction of an eight-story, 91x116-ft. store and warehouse for the Logan-Gregg Hardware Co. Noted Feb. 4.

Pittsburgh, Penn.—Bids are being received by McKim, Meade & White, Arch., 101 Park Ave., New York, N. Y., for the construction of an eight-story, 222x350-ft. fireproof warehouse at 13th and Etna St.

Pittsburgh, Penn.—Dennis F. Shanahan has purchased a site for the construction of a 130x152-ft. warehouse and garage at Magee and Bluff St.

Baltimore, Md.—The Atlantic Can Co. is having plans prepared by W. O. Sparklin, Arch., for the construction of a three-story, 80x162-ft. warehouse at Boston and Chester St.

✚Port Covington, Md.—(Baltimore post office)—The contract for the construction of a fireproof grain elevator for the Western Maryland Ry. has been awarded to the JAMES A. STEWART CO., INC., 30 Church St., New York, N. Y. Estimated cost, $600,000. Noted under Baltimore, Md., Nov. 26.

Fort Thomas, Ky.—H. M. McGraw, representing New York capitalists, has purchased a 100-acre site. Plans are being prepared by Zettel & Rapp, 607 Johnston Bldg., Cincinnati, Ohio, for the construction of a $600,000 film manufacturing plant on the property.

Louisville, Ky.—The J. F. Kurfees Paint Co. has received a permit to construct a four-story, 45x204-ft. factory and warehouse at Brook and Market St. The estimated cost is $50,000.

Cincinnati, Ohio—D. Gruen Sons & Co., 301 Johnston Bldg., will construct a plant on McMillan St. The estimated cost is $50,000.

Cleveland, Ohio—Plans have been prepared by Wilbur J. Watson & Co., Engr., Leader-News Bldg., for the construction of a two-story metallurgical and refining plant at 5302 Sweeney Ave., for the Lake Erie Smelting & Refining Co. The estimated cost is $25,000.

Cleveland, Ohio—Plans have been prepared by Charles F. White, Arch., Citizens Bldg., for the construction of a one-story warehouse at 656 Broadway Ave. for the Peter Black Estate. Estimated cost, $10,000.

✚Kalamazoo, Mich.—The contract for the construction of a one-story, 70x330-ft. plant for the Kalamazoo Vegetable Co. has been awarded to GERARD VAN ECK, 804 Davis Ave. The estimated cost is $70,000. G. G. Worden, 807 Kalamazoo National Bank Bldg., is Arch. Noted Dec. 24.

Ludington, Mich.—The Petit Salt Co., foot of 12th St., Milwaukee, Wis., will construct a plant for the manufacture of salt. The estimated cost is $1,000,000. C. M. Petit is Secy.

✚West Allis, Wis.—The Allis-Chalmers Mfg. Co. has awarded the general contract for the construction of a one-story, 66x140-ft. factory to KLUG & SMITH, Arch. and Engr., Mack Blk., Milwaukee.

Perry, Iowa—The Globe Mfg. Co. will rebuild its plant recently destroyed by fire with a loss of $130,000. B. C. Dilenbeck is Pres.

Minneapolis, Minn.—The Carr-Cullen Co. will construct a three-story brick warehouse at 901 Ramsey St., N. E. The estimated cost is $10,000. C. E. Bell, Security Bank Bldg., is Arch.

Fort Worth, Tex.—J. N. Brooker will rebuild the two-story warehouse at 245 West 15th St., recently destroyed by fire with a loss of $100,000.

Portland, Ore.—Plans have been prepared by Jacobberger & Smith, Arch., for the construction of two-story, 84x104-ft. addition at East 28th and Multnomah St. for the Doernbecher Mfg. Co. The company contemplates the construction of a six-story, 100x150-ft. addition.

Portland, Ore.—The Union Meat Co. is preparing to expend $100,000 on improvements and extensions. The company also plans to enlarge its plant at a cost of $500,000.

Los Angeles, Calif.—Houghton Sawyer, Arch., Shreve Bldg., San Francisco, has prepared plans for the construction of a 80x140-ft. warehouse and factory on East Eighth St., for the General Chemical Co. of California, 2433 East Eighth St., Los Angeles.

San Francisco, Calif.—The American Can Co., Mills Bldg., has recently purchased a site for the construction of a can factory. R. H. Gray is Local Representative.

Van Nuys, Calif.—The Van Nuys-Lankershim-Marian Produce & Canning Association, recently organized, plans to construct a packing plant and cannery at Van Nuys and Owensmouth. G. G. Williamson of the Orange County Vegetable Growers' Association is Pres. and A. J. Boulanger is Mgr.

Brantford, Ont.—The Brantford Scale Co., Ltd., is considering bids received for the construction of a three-story, 45x50-ft. factory. The estimated cost is $20,000. J. L. Howard, 22 Dalhousie St., is Mgr.

Lindsay, Ont.—The Sylvester Mfg. Co., Ltd., Kent St., contemplates the construction of a factory for the manufacture of gasoline engines. The estimated cost is $10,000.

Thorold, Ont.—The Exolson Co., manufacturer of artificial abrasives, will construct an addition to its plant. The estimated cost is $20,000. C. J. Brockbank is Mgr.

FEDERAL GOVERNMENT WORK

Timber Bulkhead—Fort Rodman, Mass.—(post office, New Bedford)—Bids will be received by the Constructing Quartermaster, until noon, Feb. 25, for constructing a timber bulkhead at Fort Rodman.

★Dredging—New London, Conn.—Bids will be received by Maj. G. B. Pillsbury, U. S. Engineer Office, New London, until 2 p.m., Mar. 18, for dredging in the Connecticut River, below Hartford.

✚Rebuilding Life-Saving Station and Boat House—Bay Shore, N. Y.—The contract for rebuilding the life-saving station, boat house, etc., has been awarded to the H. H. SMITH BUILDING CO., East Main St., Long Island City, N. Y. The work will cost about $8000.

✚Repair Work—New York, N. Y.—The contract for exterior sand blasting of stonework, pointing, and painting exterior iron work on the new post office and court house, New York, has been awarded to NEPTUNE B. SMYTH, 413 East 34th St., New York, at $7249.

★Cement—New York, N. Y.—Bids will be received by Col. W. M. Black, Army Bldg., 39 Whitehall St., New York, N. Y., until noon, Feb. 26, for furnishing and delivering 32,000 bbl. of American Portland cement.

★✚Repairs to Bulkhead—Cape Henlopen, Del. (Lewes post office)—The contract for making repairs and extensions to timber groynes and bulkhead at Cape Henlopen, has been awarded to WILLIAM A. RUSSELL, Lewes, Del., at $5.84 per lin.ft. Noted Jan. 14.

Post Office—Smyrna, Del.—Bids will be received until 3 p.m., Mar. 29, by Oscar Wenderoth, Superv. Arch., Treasury Dept., Washington, D. C., for constructing the post-office at Smyrna.

Buildings—Indian Head, Md.—Bids were received as follows Feb. 13, by the Bureau of Yards and Docks, Navy Dept., Washington, D. C., for the construction of three or four dry houses for smokeless powder at the Naval Proving Ground, Indian Head: Penn Bridge Co., Bond Bldg., Washington, D. C., four, $21,590; three, $16,190; Richard H. Knott, Indian Head, Md., four, $27,000; three, $6750 each; James L. Marshall, 700 10th St., N. W. Washington, D. C., four, $22,976; three, $17,232; Melton Construction Co., Real Estate Trust Bldg., Washington, D. C., four, $23,000; three, $15,300; John H. Nolan Construction Co., Munsey Bldg., Washington, D. C., four, $21,065; three, $15,798; M. A. Weller, 627 F St., N. W. Washington, D. C., four, $21,957; three, $16,757; C. N. Dement, Indian Head, Md., four, $27,800; three, $20,850.

✚Remodeling Pumping Plant—Anacostia, D. C.—The contract for remodeling the pumping plant at the Government Hospital for the Insane has been awarded to L. P. JACOBS, Newark, Del., at $14,750.

Sewerage, Drainage and Water Supply System—Washington, D. C.—An appropriation of $60,000 is made in the civil sundry bill for reconstructing the sewerage, drainage and water supply system within the capitol grounds.

★Sewers—Washington, D. C.—Bids were received for the construction of the Pinehurst Service Sewer, (a) 7500 cu.yd. of ordinary excavation; (b) 85 cu.yd. sewer brick masonry; (c) 2080 lin.ft. 12-in. sewer pipe; (d) 4830 lin.ft. 10-in. sewer pipe; also for the construction of the Hillbrook Service Sewer, (a) 7600 cu.yd. ordinary excavation; (b) 75 cu.yd. sewer brick masonry; (c) 2160 lin.ft. 24-in. sewer pipe; (d) 1870 lin.ft. 12-in. sewer pipe; (e) 1860 lin.ft. 10-in. sewer pipe, as follows: Bruno Pizzimenti, Seneca Falls, N. Y., Pinehurst, (a) $1.08; (b) $20; (c) 97c.; (d) 85c.; Hillbrook, (a) $1.48; (b) $20; (c) $1.50; (d) 97c.; (e) 85c.; Warren F. Brenizer & Co., 141 I St. N. W. Washington, D. C., (a) 44c.; (b) $13; (c) 60c.; (d) 53c.; Hillbrook, (a) 90c.; (b) $12; (c) 95c.; (d) 55c.; (e) 47c.; James M. Bean Construction Co., Fourth and M St., N. E., Washington, D. C., Pinehurst, (a) 65c.; (b) $14; (c) 53c.; (d) 48c.; George W. Hyman, 2117 E St., N. W., Washington, D. C., Pinehurst, (a) 40c.; (b) $12; (c) 48c.; (d) 44c.; Hillbrook, (a) 65c.; (b) $14; (c) $1.10; (d) 60c.; (e) 50c.; William F. Cush, 201 S St. N. E. Washington, D. C., Pinehurst, (a) 56c.; (b) $14; (c) 58c.; (d) 52c.; Hillbrook, (a) $1.55; (b) $15; (c) 85c.; (d) 60c.; (e) 55c. Noted Feb. 4.

✚Building—Arlington, Va.—The Commission-in-Charge of the Arlington Memorial Amphitheater has awarded the contract for the construction of the Memorial to the GEORGE A. FULLER CO., New York, at $519,000, using Danby marble. The balance remaining from the $750,000 appropriated by Congress will be used by the Committee for the approaches and similar improvements. Noted Nov. 19 and Dec. 24.

✚Grading—Arlington, Va.—The contract for grading about the Maine Memorial, Arlington National Cemetery, Va., has been awarded to CHARLES H. TOMPKINS, Washington, D. C. Noted Dec. 10 and 24.

Bridge—Fortress Monroe, Va.—Bids will be received by the Quartermaster, until noon, Mar. 3, for constructing a concrete foot bridge across the moat, which will include the changing of the location of the electrical conduit.

✚★Breakwater—Cape Lookout, N. C.—The contract for the construction of a breakwater, including shore connections, at Cape Lookout, has been awarded to E. L. TAYLOR & CO., Medina, N. Y., at $1,073,358. Noted Nov. 26 and Jan. 14.

Building—Wilmington, N. C.—All bids received for the construction of medical officer's quarters at the U. S. Marine Hospital, Wilmington, have been rejected, as the lowest bid exceeded the amount appropriated.

★Dredging—Charleston, S. C.—Bids will be received until noon, Mar. 19, by Maj. G. A. Youngberg, U. S. Engineer Office, for dredging in Ashley River, S. C.

★Dam, Building, Etc.—Harrisonburg, La. — The following are the bids received for building Dam No. 2, a lockmaster's dwelling, etc., on the Ouachita River at Harrisonburg: Miller Engineering Co., Southern Trust Bldg., Little Rock, Ark., $115,848; Midland Bridge Co., Kansas City, Mo., $186,358; Blodgett Construction Co., Kansas City, Mo., $205,264; George C. Hodgson, Dayton, Ohio, $185,067. Noted Dec. 10.

✚Lock Gates—Kentucky—The contract for furnishing and erecting lockgates, for Dam No. 14, Ohio River, has been awarded to the PENN BRIDGE CO., Beaver Falls, Penn., at $28,841.

✚Lock and Dam—Maysville, Ky. — The contract for constructing lock and dam No. 33, Ohio River, has been awarded to the BATES & ROGERS CONSTRUCTION CO., Chicago, Ill., at $972,544. Noted Dec. 31 and Feb. 4.

Post Office—Tiffin, Ohio—Bids were received for the construction of a post office at Tiffin, (a) limestone faced; (b) sandstone faced; (c) Ohio sandstone faced; (d) brick-faced, limestone trimmings; (e) brick-faced, sandstone trimmings; (f) brick-faced, Ohio sandstone trimmings, as follows: Westchester Engineering Co., White Plains, N. Y., (a) $72,700; (b) $79,900; (c) $79,900; (d) $70,700; (e) $77,500; (f) $77,500; Volney E. Taylor, Huntington, W. Va., (a) $77,000; (b) $79,000; (c) $79,000; (d) $76,000; (e) $77,000; (f) $77,000; James Devault, Canton, Ohio, (a) $67,300; (c) $71,300; (d) $66,460; (f) $69,634; Reveron Construction Co., Uniontown, Ala., (a) $71,-122; (b) $74,780; (c) $72,395; (d) $70,356; (e) $71,125; (f) $70,-123; F. F. Schellenberg & Co., Pittsburgh, Penn., (a) $67,000; (b) $71,000; (c) $71,000; (d) $65,000; (e) $69,000; (f) $69,000; Thomas W. Cissel, Wooster, Ohio, (a) $73,816; (b) $79,772; (c) $79,772; (d) $71,761; (e) $77,700; (f) $77,700; Charles W. Gindele & Co., Chicago, Ill., (a) $72,000; (c) $76,000; (d) $70,700; (f) $74,400. E. F. Abbott Construction Co., New York, (a) $71,-637; (b) $73,000; (c) $73,000; (d) $69,000; (e) $71,900; (f) $71,900; Potters' Lumber Co., East Liverpool, Ohio, (a) $71,-460; (b) $74,700; (c) $75,000; (d) $70,460; (e) $72,900; (f) $73,400; Ohio Building & Construction Co., Cincinnati, Ohio, (a) $72,480; (b) $72,990; (c) $72,140; (d) $71,330; (e) $70,990; (f) $70,490; W. H. Fissell & Co., New York, (a) $68,670; (b) $72,-923; (c) $72,923; (d) $66,703; (e) $69,749; (f) $69,749; Harry A. Eigenrauch, Pittsburgh, Penn., (a) $80,000; (b) $80,000; (d) $80,000; (e) $80,000; (f) $80,000; (c) $82,700; Hossler Bros., Tiffin, Ohio, (a) $90,309; (b) $92,709; (c) $91,809; (d) $88,192; (e) $90,835; (f) $90,036; R. S. Moore, Lafayette, Ind., (a) $72,712; (c) $75,881; (d) $69,906; (f) $72,928; Bright Construction Co., Toledo, Ohio, (a) $74,292; (c) $79,292; (d) $72,-292; (f) $76,882; John G. Unkefer & Co., Minerva, Ohio, (a) $67,352; (b) $72,352; (c) $72,352; (d) $65,552; (e) $70,052; (f) $70,052; J. S. Rogers, Moorestown, N. J., (a) $75,900; (b) $78,-000; (c) $78,000; (d) $74,100; (e) $73,800; (f) $73,800; Christ Kanzler & Son, Evansville, Ind., (a) $74,424; (b) $77,424; (d) $73,738; (e) $76,300; J. L. Crouse, Greensboro, N. C., (a) $73,-727; (b) $77,227; (c) $76,727; (d) $72,727; (e) $75,725; (f) $75,425; Charles McCaul Co., Philadelphia, Penn., (a) $69,660; (b) $74,260; (c) $73,960; (d) $68,160; (e) $72,760; (f) $72,560; Colonial Construction & Supply Co., Charlottesville, Va., (a) $66,793; (c) $69,793; (d) $64,187; (f) $66,687. Noted Dec. 17.

Repairing Post Office and Court House—Des Moines, Iowa—Bids will be received until 3 p.m., Mar. 23, by Oscar Wenderoth, Superv. Arch., Treasury Dept., Washington, D. C., for repairing and remodeling the post office and court house at Des Moines.

✚Post Office—McCook, Neb.—The contract for the construction of a post office at McCook has been awarded to C. E. GOODHAND, Ord, Neb., at $107,278. Noted Jan. 7 and Feb. 4.

★Jetty and Dike Work—Aransas Pass, Tex.—Bids will be received until noon, Mar. 16, by Lieut.-Col. C. S. Riche, U. S. Engineer Office, Galveston, Tex., for jetty and dike work at Aransas Pass.

✚Post Office—Ennis, Tex.—The contract for the construction of a post office at Ennis has been awarded to VOLNEY E. TAYLOR, Huntington, W. Va., at $52,275. Noted Dec. 24 and Feb. 4.

Excavation, Etc.—Payson City, Utah—The following are the bids received for construction, involving 158,000 yd. of excavation, 7000 yd. of concrete and other items: Reynolds-Ely Construction Co., Springville, Utah, $82,625; Wasatch Grading Co., $84,365; H. G. Gilkerson, $89,762; Morrison-Knudsen Co., $89,895; Utah Construction Co., $97,911; Mendenhall, Straw & Bird Construction Co., $104,214; Jacobson-Bade Co., $106,408; Enoch Smith, $108,274; Intermountain Bridge & Construction Co., $108,315; Bates & Rogers Construction Co., $110,207; W. O. Morrison, $119,113. Noted Jan. 7.

★Excavation, Etc.—Payson City, Utah—Bids will be received by the U. S. Reclamation Service, Provo ,Utah, until 2 p.m., Mar. 10, for construction, involving about 12,800 yd. of excavation and 2100 yd. of reinforced concrete. The work is located near Payson City on the San Pedro, Los Angeles & Lake R.R. and the Tintic branch of the Denver & Rio Grande R.R.

✚Buildings, Etc.—Fort Huachuca, Ariz.—The contract for constructing and remodeling various buildings has been awarded to J. M. SPARKS, Douglas, Ariz. Noted Nov. 2? and Jan. 21.

Post Office—Everett, Wash.—Bids will be received until 3 p.m., Mar. 22, by Oscar Wenderoth, Superv. Arch., Treasury Dept., Washington, D. C., for constructing a post office at Everett.

✚Post Office—The Dalles, Ore.—The contract for the construction of post office at The Dalles has been awarded to GEORGE ISAAKSON, 1013 Irving St., Portland, Ore., at $79,-659. Noted Oct. 8 and Nov. 19.

Steel Dump Scows—Panama—Bids were received for constructing and furnishing three 1000-yd. steel dump scows, delivery at some United States point or at Colon, as follows: Milwaukee Bridge Co., Milwaukee, Wis., $66,520 each, delivered New Orleans, La.; Valk & Murdoch Co., Charleston, S. C., $6?,800 each, delivered Charleston; Skinner Shipbuilding & Dry Dock Co., Baltimore, Md., three, $239,000, delivered Baltimore; Ellicott Machine Works, Baltimore, Md., $65,238 each, delivered Baltimore, $74,238 each, delivered Colon; Rock Island Bridge & Iron Works, Rock Island, Ill., $55,480 each, delivered Rock Island; William Cramp & Sons Ship & Engine Building Co., Philadelphia, Penn., $62,660 each, delivered Philadelphia; Charleston Navy Yard, estimate, $185,000, delivered Charleston, S. C. Noted Jan. 14.

★Tanks—Philippine Islands—Bids will be received by Col. S. W. Roessler, Army Bldg., 39 Whitehall St., New York, N. Y., until noon, Mar. 9, for furnishing 20 tanks, with a capacity of from 2250 to 5700 gal.

MISCELLANEOUS

✚★Concrete Platform—Boston, Mass.—The Boston Transit Commission has awarded the contract for laying 4100 sq.yd. of platform finish in the Washington Station, Dorchester Tunnel, to A. WILLIAMS & CO., 3 Cotting St., Boston, at $4962. Noted Jan. 28.

Grand Stand—Boston, Mass.—The Osborne Engineering Co., Cleveland, Ohio, is preparing plans for the construction of a grand stand, single deck, 400x400 ft., for the Boston National League Baseball Club at Commonwealth Ave. and Babcock St. The estimated cost is $450,000. James E. Gaffney, 101 Tremont St., is Pres.

Reinforcing Rods—Boston, Mass.—Bids will be received until Feb. 23 by the Transit Commission for furnishing 1700 tons of open hearth steel reinforcing rods. E. S. Davis, 15 Beacon St., is Ch. Engr.

Motor Fire Apparatus—Fall River, Mass.—Press reports state that an expenditure of $35,000 is contemplated for the purchase of motor fire apparatus.

Wharf—Fall River, Mass.—The Harbor & Land Commission contemplates the construction of a 500-ft. wharf near Ferry St. The estimated cost is $250,000. William I. Williams is Ch. Engr.

Motor Fire Apparatus—Manchester, Mass.—Chief Lane has recommended the purchase of motor fire apparatus. The estimated cost is $12,000.

Motor Fire Apparatus—Worcester, Mass.—The city has made an appropriation of $11,000 for the purchase of motor fire apparatus. George M. Wright is Mayor.

Underground Wiring—Buffalo, N. Y.—Press reports state that the Fire Commissioners have asked for $42,741 to be used for underground wiring of the police and fire systems.

✚Roofing—New York, N. Y. (Borough of Manhattan)—(Official)—The Department of Charities has awarded the contract for roofing work on the Children's Hospital and schools, Randalls Island, to NEWMAN & SIEGLER, at $10,595. Noted Jan. 14 and 28.

★Animal Building—New York, N. Y.— Borough of Richmond)—(Official)—Bids will be received until 11.30 a.m., Mar. 1, by Joseph J. O'Connell, M. D., Health Officer of the Port of New York, Quarantine Station, Staten Island, N. Y., for the construction of an animal building at the quarantine station, Rosebank, N. Y. For details see advertisement under "Contracts To Be Let."

Motor Fire Apparatus—Camden, N. J.—Press reports state that the Council has adopted the ordinance providing for a bond issue of $100,000 for the motorization of the fire department. Noted Feb. 4.

✚Coal Pockets—Perth Amboy, N. J.—E. J. Dorsey & Sons has awarded a contract to IRA R. CROUSE, at $12,000, for the construction of coal pockets having a capacity of 2800 tons.

★Pipe and Fittings—Ford City, Penn.—(Official)—Bids will be received until 7.30 p.m., Mar. 1, by D. O. Crouch, Borough Secy., for furnishing pipe and fittings. For details see advertisement under "Contracts To Be Let."

Motor Fire Apparatus—Harrisburg, Penn.—The Council has passed an ordinance authorizing the purchase of two combination chemical and hose trucks and three tractors. Estimated cost, $18,000.

✚★Skylights, Roofing and Cargo Chutes—Philadelphia, Penn.—(Official)—The following contracts have been awarded by the Department of Wharves, Docks and Ferries: For furnishing skylights at Piers 38 and 40, DAVID LUPTON'S SONS CO., $5500; for slag roofing, HARRY S. EHRET, $7000; for cargo chutes and hatchway railings, W. W. LINDSAY & CO., $4500. Noted Dec. 24 and Jan. 14.

✚Reinforced-Concrete Bins—Cumberland, Md.—The Builders Supply Co. has awarded a contract to DEVERELL, SPENCER & CO., Garret Bldg., Baltimore, for the construction of twelve reinforced-concrete storage bins, 14 ft. in. diameter and 36 ft. high. They will be used for storing sand and crushed stone.

Clearing—Norfolk, Va.—(Official) — The John L. Roper Lumber Co., Norfolk, wishes to get in touch immediately with contractors in regard to clearing a 100,000-acre tract of land

Elimination of Grade Crossings—Huntington, W. Va.—Albert Maupin, Engr., has submitted plans and specifications to the City Commissioners for constructing overhead crossings at 29th St. and at Fifth Ave. The estimated costs are $30,325 and $43,562, respectively.

Swimming Pool—Miami, Fla.—According to press reports a swimming pool, 35x140 ft. will be constructed at Ocean Beach Casino. The estimated cost is $10,000.

Reinforced-Concrete Culvert—Mobile, Ala.—(Official)—Bids will be received by the City Commissioners until noon, Feb. 23, for the construction of 1865 ft. of reinforced-concrete culvert, 4½x10x12 ft. An appropriation of $10,000 has been made for this work. Wright Smith is City Engr.

✚**Drainage**—Ackerman, Miss.—The Drainage Commissioners, Choctaw County Big Black Drainage District No. 1, have awarded the contract for constructing about 20 miscellaneous canals, aggregating 900,000 cu.yd. to N. C. McGINNIS & CO., Exchange Bldg., Memphis, Tenn., at $68,000.

✚**Levee Work**—Greenville, Miss.—The Mississippi Levee Board has awarded the contract for the enlargement of Carolina, Valewood, Shipment and Shiloh levees to BURT, BOND & McMURRAY, at 15.48c. per cu.yd. The aggregate yardage is 443,000 cu.yd.

Grandstand—Shreveport, La.—J. Y. Snyder, Shreveport, has prepared plans for the construction of a grandstand at Texas League Park for the Shreveport Baseball Association. Its seating capacity will be 3000.

Drain—Calhoun, Ky.—F. F. Shafer, U. S. Drainage Engr., Louisville, is reported to be preparing plans for drainage systems in McLean and Muhlenburg Counties. Estimated cost about $175,000.

Greenhouse—Cleveland, Ohio—Bids will be received until 1 p.m., Mar. 8, by the Clerk of the Board of Education, Rockwell St., for the construction of a greenhouse at East Technical High School, East 55th St. Plans on file at the office of the Architect of the Board of Education.

River Improvement—Tiffin, Ohio—The City Council passed an ordinance, Feb. 3, authorizing the Sandusky River improvement project. This includes the construction of 3150 lin.ft. of retaining wall, 56,900 cu.yd. of excavation and other minor items. The specifications call for three types of retaining walls to be bid upon: Type A—concrete gravity retaining wall; Type B—patented reinforced-concrete; Type C—unpatented reinforced-concrete. Noted Dec. 31.

Ditches—Upper Sandusky, Ohio—Bids will be received until Mar. 1 by the County Commissioners for the construction of 40,000 lin.ft. of ditches. Tile required, 8- to 24-in. J. Megurat is County Audr.

✚**Ditch**—Bloomfield, Ind.—The contract for the construction of the Beehunter Ditch has been awarded to FRED MORGAN, Vincennes, at $29,500.

Street Signs and Posts—Indianapolis, Ind.—(Official)—B. J. T. Jeup, City Engr., writes that bids will be received until 10 a.m., Feb. 24, by the Board of Public Works, for furnishing street signs and posts for 2000 intersections. Specifications on file at the office of the City Engineer.

★**Cement** — Springfield, Ill. — (Postponement)—(Official)—The time and date for receiving bids for cement has been changed by the State Highway Commission. Instead of 11 a.m., Feb. 17, bids will be received until 3 p.m., Feb. 23, for furnishing approximately 235,500 bbl. of cement for use in road construction. For details see advertisement under "Contracts to Be Let."

✚**Dock Repairs and Equipment**—Manitowoc, Wis.—The C. Reiss Coal Co., Sheboygan, has awarded the contract for rebuilding its coal docks and installing rigging to MEAD, MORRISON & CO., Boston.

✚**Fireboat Station**—Milwaukee, Wis.—The city has awarded the contract for the construction of a fireboat station and dock at East Water St. Bridge to S. J. WABISZEWSKI, Milwaukee. The estimated cost is $15,000. C. E. Malig is Arch.

✚**Crib Work**—Milwaukee, Wis.—(Correction)—(Official)—The statement under this head, issue of Feb. 11, that the contract for 1700 ft. of cribbing had been awarded to the Edward Gillen Dock, Dredge & Construction Co., was in error. The contract was awarded to the EDWARD E. GILLEN CO., Milwaukee.

Retaining Wall—Cedar Rapids, Iowa—Press reports state that the City Council will receive bids until Feb. 26 for the construction of 650 lin.ft. of river wall, 26 ft. high. L. J. Storey is City Clk.

★**Drainage**—Elbow Lake, Minn.—(Official)—On Mar. 5, at the County Court House, Elbow Lake, C. M. Nelson, County Audr., will sell two ditch jobs for the construction of County Ditches Nos. 18 and 21. For details see advertisement under "Contracts To Be Let."

✚**Ditches**—Jackson, Minn.—The following are the three lowest bids received Feb. 3 for the construction of Judicial Ditches Nos. 32, 33 and 36: Ditch No. 32, C. AXELSEN, Clear Lake, Iowa, $30,600 (awarded contract); Anton Jefson, Nevada, Iowa, $31,735; John Christensen, Lakefield, Minn., $31, 950. Ditch No. 33, RUDE & WOLD, Pomeroy, Iowa, $59,300 (awarded contract); Schoel Bros., Nevada, Iowa, $60,595; Redding & Smaage, Windon, Minn., $61,000. Ditch No. 36, JENS PETERSEN, Lakefield, Minn., $4786 (awarded contract); Nels Petersen, Okabena, Minn., $4794; A. M. Plasterer, Heron Lake, Minn., $4995. Noted Jan. 28.

Asphaltic Cement—Minneapolis, Minn.—Bids will be received by K. E. Alexander, City Pur. Agt., until Feb. 19 for 800 tons of asphaltic cement.

Portland Cement—Minneapolis, Minn.—(Official)—Ellis R. Dutton, Asst. City Engr., writes that the following bids were received, Feb. 11, for furnishing 175,000 bbl. of portland cement during 1915, f.o.b. Minneapolis: Landers, Morrison, Christenson Co., Minneapolis, $1.20 per bbl.; Atlas Portland Cement Co., Hannibal, Mo., $1.33; Hydraulic Press Brick Co., Minneapolis, $1.33; Lehigh Portland Cement Co., Mason City, Iowa, $1.33.

Canal—St. Paul, Minn.—The State Drainage Commission will ask the legislature to appropriate $60,000 to complete the Roseau River project for which $80,000 was given in 1913.

Ditch—Slayton, Minn.—Bids will be received until 10 a.m., Feb. 23, by E. V. O'Brien, County Audr., for the construction of Judicial Ditch No. 3. The specifications call for the excavation of 24,600 lin.ft. of 8-ft. ditch, and 181,600 lin.ft. of 6- to 26-in. tile branches. The estimated cost is $72,882.

Hydraulic Dredge—Kansas City, Kan.—(Official)—Bids in duplicate will be received by the Board of Directors, Kaw Valley Drainage District, until 10 a.m., Feb. 27, for furnishing a 15- and an 18-in. dredge, steam or electric power, delivered at Kansas City. T. E. Myers is Pres.

Levee Bonds—Little Rock, Ark.—St. Francis Levee District has been authorized by the state legislature to issue $465,000 in bonds for levee work.

Drainage—Bay City, Tex.—(Official)—Bids will be received until 11 a.m., Mar. 6, by the Commissioners of Drainage District No. 5, Matagorda County, for excavating 255,246 cu.yd. of open ditches. A bond issue of $47,505 has been made to cover the estimated cost of the work. E. N. Gustafson is Engr.

Swimming Pool—Dallas, Tex.—George E. Kessler, St. Louis, Mo., has prepared tentative plans under the direction of the Park Board for the construction of a swimming pool and bathhouse at Lake Cliff Park. Estimated costs, $40,000 and $15,000, respectively.

Barn—El Paso, Tex.—The El Paso Union Stockyards plans to construct a 75x200-ft. hay barn, also an office building of reinforced-concrete. The estimated cost is $16,000.

Drainage—North Yakima, Wash.—All bids for the construction of a drainage system in Drainage District No. 4 have been rejected. The County Engineer, Yakima County, has been directed to prepare two sets of specifications: one for cement tiling, the other for vitrified clay. Noted Dec. 17.

✚**Retaining Wall**—Seattle, Wash.—The School Board has awarded the contract for constructing a concrete retaining wall at Central School, Sixth Ave. and Marion St., to FINNE & GJARDE, Northern Bank Bldg., at $20,000.

Harbor Improvements—Bandon, Ore.—Press reports state that the City contemplates extensive port improvements in the Coquille River. The government has appropriated $70,000 and the city will spend an additional $250,000. A bond issue for this amount will soon be made.

Wharf—Hueneme, Calif.—The Farmer's Warehouse Co. has authorized J. Schulz, Constr. Engr., Wright & Callender Bldg., Los Angeles, to prepare plans and specifications for the construction of a reinforced-concrete wharf.

✚**Dredging**—Los Angeles, Calif.—The Labor Commission has awarded a contract to the STANDARD AMERICAN DREDGING CO., at $39,648, for dredging 210,000 cu.yd. of material from the channel between Municipal Dock No. 1 and the docks of the Outer Harbor Wharf & Dock Co.

Reclamation—Nicolaus, Calif.—At a recent special election the citizens of Reclamation District 1001 voted favorably on a bond issue of $500,000, the proceeds to be used in reclamation work.

Dredging—San Francisco, Calif.—The Southern Pacific Co. contemplates dredging Channel Creek to a uniform width of 300 ft. and a depth of 30 ft., at low tide. This work, with the construction of bulkheads and bridges, will cost about $2,500,000. William Hood is Ch. Engr.

✚**Grand Stands**—San Francisco, Calif.—The Panama-Pacific International Exposition Co. has awarded a contract for the construction of race track grand stands to McSHEELY BROS., at $30,292.

BUILDINGS

Other items relative to Building Construction will be found under the following headings: "Industrial Works;" "Federal Government Work" and "Miscellaneous."

Auburn, Maine—Plans have been prepared by Harry S. Coombs, Lewiston, for the construction of the Webster Grammar School. Estimated cost $100,000.

Springfield, Mass.—Plans have been prepared for the construction of a five-story apartment house on Maple St. for Russell C. Parsons. Estimated cost, $45,000.

✚**Bridgeport, Conn.**—(Official)—The Board of Contract and Supply, Room 28, City Hall, has awarded a contract for the construction of an almshouse to the OSCAWANA BUILDING CO., 101 Park Ave., New York, N. Y., at $109,670. Noted Jan. 7.

Beacon, N. Y.—Bids will be received about Mar. 7, for the construction of a two-story high school on Fishkill Ave. Estimated cost, $60,000. Homer H. Stuart is Pres. Bd. of Education. Noted Jan. 14.

New York, N. Y.—(Borough of Bronx)—E. J. Byrne, 148th St. and Third Ave., is preparing plans for the construction of a five-story apartment house at 156th St. and Elson Ave. Estimated cost, $50,000.

✚**New York, N. Y.**—(Borough of Bronx)—(Official)—The contract for the construction of Public School No. 48, Spofford Ave. and Coster St., has been awarded to L. J. RICE, 405 Lexington Ave., New York, at $250,000. Noted Feb. 4.

New York, N. Y.—(Borough of Manhattan)—Delano & Aldrick, Arch., is preparing plans for the construction of a four-story building at 98th St. and Fifth Ave., for St. Bernard's School, Inc. Estimated cost, $75,000. Jesse E. Ward is Pres.

New York, N. Y.—(Borough of Manhattan) — The Beth Israel Hospital Association plans to construct a 12-story hospital at 16 Livingston Pl. Joseph N. Cohen is Pres. Estimated cost, $1,000,000.

✚**New York, N. Y.**—(Borough of Manhattan)—(Official)—The contract for the foundation work for the nine-story apartment house at 130 East 76th St., for the Jaytison Construction Co., has been awarded to the UNDERPINNING & FOUNDATION CO. 290 Broadway.

New York, N. Y.—(Borough of Manhattan)—Plans are being prepared by Warren & Wetmore, Arch., 16 East 47th St. for the construction of a 25-story addition to the Hotel McAlpin, 48 West 34th St. Estimated cost, $500,000.

New York, N. Y.—(Borough of Manhattan)—Plans are being prepared by George Mort Pollard, Arch., 127 Madison Ave.

for the construction of a nine-story studio on 67th St., Central Park West for the Hotel des Artistes, Inc. Estimated cost $800,000. Penrhyn Stanlaus is Pres.

New York, N. Y.—(Borough of Queens)—Bids will be received until 3 p.m., Feb. 23, for the construction of a four-story school at Yarmouth and Shipley St. Estimated cost, $160,000. C. B. J. Snyder, 59th St. and Park Ave. is Supt. of School Bldgs.

✚Camden, N. J.—The contract for the construction of an eight-story reinforced-concrete office building for the Victor Talking Machine Co., has been awarded to the GEORGE A. FULLER CO., Bellevue-Stratford Hotel, Philadelphia, Penn. Noted Jan. 7, under Industrial Works.

Camden, N. J.—The Atlantic City R.R. Co. plans to construct a station at Kaighn's Point to replace the one recently destroyed by fire. Estimated cost, $1,000,000.

Newark, N. J.—Henry Baechlin, Arch., is preparing plans for the construction of a theater on North Seventh near Orange St., for Edward W. MacDonough. Estimated cost, $100,000.

Newark, N. J.—E. Y. Guilbert, Arch., 665 Broad St., is preparing plans for the construction of an addition to the Oliver School. Estimated cost, $140,000.

Nutley, N. J.—Plans are being prepared by Charles G. Jones, Arch., 200 Broadway, New York, for the construction of a school. Estimated cost, $40,000.

★Trenton, N. J.—(Official)—Bids will be received at the office of the Governor until noon, Mar. 2, for the construction of an extension to the House of Detention for Convict and Criminal Insane at the State Hospital. E. I. Edwards is Secy. State House Comn.

Wildwood, N. J.—Plans are being prepared by Clyde S. Adams, Arch., Philadelphia, Penn., for the construction of a two-story high school. Estimated cost, $60,000.

Philadelphia, Penn.—Plans are being prepared for the construction of a building at 1522 Market St. for John Thommen. Estimated cost, $50,000.

Philadelphia, Penn.—Bids will be received about Mar. 1 for the construction of a four-story, 32x110-ft. building at 1417 South 22nd St. for the Mercy Hospital School for Nurses. Estimated cost, $50,000. E. S. Lemmon is Arch.

Sharon, Penn.—Plans are being prepared for the construction of a building for the Buhl Hospital. Estimated cost, $100,000. M. M. Cumming is Supt.

Baltimore, Md.—The Board of Directors of the Hahnemann General Hospital contemplates the construction of a building on North Mount St. Estimated cost, $250,000.

Baltimore, Md.—Plans are being prepared by E. H. Glidden, Arch., 1008 Garrett Bldg., for the construction of a four-story apartment house at 31st and Calvert St. for the Calvert Construction Co. Estimated cost, $90,000.

Washington, D. C.—Plans are being prepared for the construction of a three-story, 40x100-ft. building to be used as a chemical laboratory for the Catholic University of America. Estimated cost, $135,000.

Norfolk, Va.—Preliminary plans are being prepared for the construction of the Boys' High School to cost $180,000. Richard A. Doble is Dir. Supt.

✚West Palm Beach, Fla.—The contract for the construction of a courthouse for the Palm Beach County Commissioners has been awarded to E. P. MAULE, at $122,000. Talley & Summers is Arch. Noted Dec. 10, 1914.

Cincinnati, Ohio—V. Duttenhofer, Jr., plans to construct a 10-story office building at Sixth and Sycamore St.

✚Cleveland, Ohio—JOHN GILL & SON, at $1,250,000, has been awarded the contract for the construction of the 15-story building for the Guardian Savings & Trust Co. Noted Oct. 22.

Cleveland, Ohio—The Newburg Masonic Temple Co. has been incorporated, and will build a temple to cost about $75,000. Sites for the purpose are under consideration. James H. Rose is one of the incorporators.

Columbus, Ohio—Plans are being prepared by Leon H. Stanhope, Arch., 108 South La Salle St., Chicago, Ill., for the construction of a seven-story building at 62 East Gay St. for the Peters Realty Co. The estimated cost is $60,000. Charles M. Peters is Pres. and George A. Peters is Secy.

Columbus, Ohio—Z. L. White Co., dry goods merchant, will build an eight-story office building at 108-110 North High St. Construction will begin in the spring.

✚Findlay, Ohio—The contract for the construction of two schools at Findlay has been awarded to the STRUCTURAL CONCRETE CO., Dayton, at $196,223. Noted Aug. 27.

McCutchenville, Ohio—Bonds have been sold for the construction of a high school to cost $40,000. Noted Jan. 7.

Massillon, Ohio—The Florence Crittendon League of Ohio plans to build a hospital at Massillon. The estimated cost is $50,000. A. H. Mavis, Cleveland, is Secy. of the Florence Crittendon Home.

North Baltimore, Ohio—Manfred F. Stophlet, Arch., Toledo, is preparing plans for the construction of a two-story brick and concrete school. The estimated cost is $55,000.

Toledo, Ohio—Bonds amounting to $900,000 have been sold for the purchasing of school sites and construction of buildings for the Board of Education. Noted Oct. 8 and Jan. 21.

Bloomington, Ind.—Plans have been prepared by E. C. Deoppers & Co., Arch., for rebuilding the three-story Bible Chair Hall, at Third and Indiana Ave., recently destroyed by fire. The estimated cost is $60,000. B. F. Nesbitt and Rev. E. F. Daugherty are Dirs.

Kendallville, Ind.—Bids will be received about Mar. 15 by F. S. Weber, Secy. Bd. of Education, for the construction of a brick high school. The estimated cost is $40,000.

Detroit, Mich.—Smith, Hinchman & Grylls, Arch., is preparing plans for a 12-story hotel to be located at Lafayette Blvd. and Wayne St. for the Lafayette Land Co. Fred Postal is Pres. of the company.

Hancock, Mich.—The Quincy Lodge of F. & A. M. plans the construction of a Masonic temple. The estimated cost is $50,000.

Chicago, Ill.—Plans have been prepared by Holabird & Roche, Arch., 104 South Michigan Ave., for the construction of a 15-story building at State and Adams St. for Buck & Rayner, retail druggists. The estimated cost is $750,000.

East St. Louis, Ill.—Bids will be received until Mar. 15 by Ruester & Rubach, Arch., 414 Missouri Ave., for the construction of a two-story, 136x282-ft. high school. Noted Oct. 8 and Nov. 26.

Ottawa, Ill.—Plans are being prepared by William B. Ittner, 408 Board of Education Bldg., St. Louis, Mo., for the construction of a high school. The estimated cost is $200,000. Noted Feb. 4.

Madison, Wis.—Bids are being received by Claude & Starck, Arch., for the construction of the three-story, 79x105-ft. Lincoln school on Gorham St. The estimated cost is $60,000. C. H. Tenny is Chn. of Bd. of Education. Noted Nov. 19.

Milwaukee, Wis.—Kenwood Lodge, F. & A. M., will build a three-story, 55x110-ft. lodge building at Hackett Ave. and Park Pl. It will be of reinforced-concrete, brick and terra cotta. The estimated cost is $50,000.

Milwaukee, Wis.—Bids will be received until Feb. 25 by Leenhouts & Guthrie, Arch., 424 Jefferson St., for the construction of a four-story, 56x117-ft. apartment house at Jefferson and Biddle St., for Mrs. Olivia Drew. The estimated cost is $75,000.

✚Racine, Wis.—Contracts have been awarded by Guilbert & Funston and C. D. McTine, Archs., Rock Island, Ill., for the construction of a Y. M. C. A. building to A. C. KAPPEL, general contract, $81,200; THOMAS HEATING CO., heating and ventilating, $7797. Noted Sept. 3, Oct. 8 and Jan. 28.

Glenwood, Minn.—Grant, Stevens, Douglas and Pope Counties will construct a $60,000 sanatorium at Glenwood.

Granite Falls, Minn.—Yellow Medicine, Lac qui Parle, Chippewa and Renville Counties plan to construct a tuberculosis sanatorium. The estimated cost is $60,000.

Wichita, Kan.—L. M. Miller, Wichita, and E. J. Silvers, Waco, Tex., contemplate building a 50x138-ft. moving picture theater. It will cost about $75,000.

Kansas City, Mo.—(Official)—Bids will be received about Mar. 15 by Keene & Simpson, Arch., for the construction of a building for the Hillcrest Golf & Country Club. The estimated cost is $50,000. Noted Feb. 4.

St. Louis, Mo.—The Development Committee of the St. Louis Jovian League of Electrical Interest plans the construction of a 10-story electrical exchange building near Tenth and St. Charles St. The estimated cost is $500,000. F. D. Beardslee is interested.

✚Austin, Tex.—The contract for the construction of a theater for E. Nalle has been awarded to J. F. JOHNSON, Denton. The estimated cost is $100,000. Noted July 30 and Nov. 26.

✚Okanogan, Wash.—The Commissioners of Okanogan County has awarded the contract to E. D. DAVENPORT, Omak, for the construction of a county court house. The estimated cost is $50,000. Noted Dec. 10 and 31.

✚Tacoma, Wash.—The contract has been awarded to CORNELL BROS., at $100,000, for the construction of the four-story building for the Elks' Hall Association. C. F. Champney, Seattle, is Arch. Noted July 30, Sept. 3, 10 and 17.

Walla Walla, Wash.—St. Mary's Hospital, which was recently destroyed by fire, will be rebuilt at once. The new building will be fireproof. The estimated cost is $250,000.

Pendleton, Ore.—It is reported that the State Legislature, Salem, has appropriated $100,000 for the construction and equipment of a new wing of the State Hospital at Pendleton. The building will be of reinforced-concrete, three stories.

Auburn, Calif.—Plans have been prepared by A. D. Fellows, Arch., for the construction of a Masonic Temple. The estimated cost is $40,000. C. W. Brundage is Secy.

✚Calexico, Calif.—ROBERTSON & DAVIS, El Centro, has been awarded the contract for the construction of a high school at $45,751. Allison & Allison, Hibernian Bldg., Los Angeles, is Arch.

Fresno, Calif.—(Official)—The following bids were received Feb. 1 by W. F. McClure, State Engr., Sacramento, for the construction of the main building, gymnasium and boiler house at the Fresno State Normal School: Winget Construction Co., $248,641; F. O. Engstrum Co., $258,672; W. E. Kier Construction Co., $263,600; F. Rolandi, $274,300; Howard S. Williams, $275,913; Alfred Kohn and Foster-Vogt Co., $279,590; Frank Rehorn, $280,000; Sound Construction & Engineering Co., $281,605; Larsen-Sampson Co., $283,000; Vant Sant-Houghton Co., $284,990; L. G. Bergren & Son, $286,472; R. W. Moller, $287,950; John J. Leonard, $288,244; Caldwell & Son, $288,810; Lindgren Co., $292,855; Somers-Lund Co., $293,500; McLeran & Peterson, $294,799; John Mulder, $298,000; Alta Planing Mill Co., $299,844; Lewis A. Hicks Co., $302,000; Lange & Bergstrom, $309,763; C. L. Wold Co., $309,955; Louis Cereghino & Son, $315,153; Grant Fee, $331,000; Merchants Realty & Investment Co., $428,963. Noted Jan. 28.

Redondo Beach, Calif.—Plans are being prepared by Allison & Allison, Arch., Hibernian Bldg., Los Angeles, for the construction of a high school for the Redondo High School District. The estimated cost is $135,000.

✚Stockton, Calif.—The contract for the construction of a building for St. Joseph's Home has been awarded to JAMES MULCAHY, at $100,000.

Toronto, Ont.—(Official)—William D. McPherson, Pres. of Masonic Temple Corporation, Ltd., advises us that bids have been received and contracts will soon be awarded for the construction of a $400,000 Masonic Temple on Spadina St. Noted Feb. 11.

✚Vancouver, B. C.—The Canadian Bank of Commerce has awarded the contract for the construction of its bank and office building at Main and Pender St., to BAYNES & HORIE, 836 Howe St., at about $100,000. The building will be of reinforced-concrete, three stories.

Contracts to Be Let

Bids received until Mar. 3, 1915.

Repairs to Mullica River Bridge

Mt. Holly, N. J.

Sealed proposals for repairs to bridge at Chestnut Neck, New Jersey, will be received by the Boards of Chosen Freeholders of Atlantic and Burlington counties on Wednesday, March 3rd, 1915, at 12:00 noon, at the Burlington county court house in Mount Holly, New Jersey, and opened immediately thereafter.

All bids must be accompanied by a certified check in a sum equal to ten per cent. of the total amount of the bid, payable to the order of the county collector of either Atlantic or Burlington county, to insure that a bidder will enter into a contract, if so ordered by the counties, as a result of the bidding.

Plans and specifications are on file in the office of the Atlantic County Board, Real Estate & Law Building, Atlantic City, New Jersey, and in the office of the Burlington County Board, No. 11 Main street, Mount Holly, New Jersey, and may be obtained from A. H. Nelson, county engineer for Atlantic county, No. 636 Guarantee Trust Building, Atlantic City, New Jersey, or from James Logan, county engineer for Burlington county, New Jersey, Mount Holly, New Jersey, by depositing $5.00 as a guarantee for the return of same. Such deposit will be refunded provided the plans are returned in good condition by noon March 4th, 1915, otherwise such deposit will be forfeited.

The committees reserve the right to reject any or all bids.

The successful bidder will be required to furnish a bond approved by the solicitors of the Boards of Chosen Freeholders of the counties of Atlantic and Burlington, in an amount equal to twice the contract price, for the faithful performance of the work, which bond will remain in force and effect for a period of one year and will be held to guarantee that the completed work will remain safe and sound from defects of workmanship or material for a period of one year. Should the contractor fail or neglect to promptly remedy any defects that may appear, after notice has been given him of any such defect, the counties reserve the right to do such work in any way that may seem to them best and to charge the contractor with any and all costs of same.

Bidders must acquaint themselves with the plans and specifications for the work and, by personal examination, satisfy themselves of the nature, character and location of the proposed work, that no misunderstanding may arise in regard to the character and quantity of the work to be performed by the contractor.

The blank form of proposal attached to these specifications must be used in making out the bid. The prices must be written as well as stated in figures in the proposal, and any proposal not in accordance with the instructions, or not on the blank furnished, will be rejected. If any discrepancies occur between the written and figured prices, those most favorable to the counties will be taken as the intention of the bidder.

Proposals will be entertained only from parties who have at their command the necessary capital, plant and experience for properly doing the work. Each bidder shall file with his bid a sworn statement setting forth his experience and the location of some work of similar character and magnitude that he has built elsewhere, as an evidence of his ability.

The bidder to whom the contract may be awarded will be required to execute the contract with surety, within ten (10) days from the date of service of notice to that effect; and in case of failure or neglect to do so, he will be considered as having abandoned it.

Each bid must state the full name and address of the maker and each bid must be presented by the maker or by a properly authorized representative at the hour provided for the receiving and opening of the bids. Mailed bids will not be accepted.

Envelopes containing proposals must have endorsed thereon: "Proposals for repairs to Mullica River Bridge."

By order of the Boards of Chosen Freeholders.

A. H. NELSON,
Atlantic County Engineer.
JAMES LOGAN,
Burlington County Engineer.

Bids received until Feb. 24, 1915.

Intercepting Sewers

OFFICIAL NOTICE NO. 9.

PUBLISHED BY AUTHORITY OF THE SEWERAGE COMMISSION OF THE CITY OF MILWAUKEE.

Milwaukee, Wis., January 15, 1915.

Sealed proposals for constructing intercepting sewers and connections on both sides of the Milwaukee River in the City of Milwaukee will be received by the Sewerage Commission at its office in the City Hall until 2:00 P.M. on the 24th day of February, A.D. 1915, at which place and time the proposals will be publicly opened and read.

The work to be done is divided into two separate contracts numbered 9 and 10.

Number 9 embraces the construction of an intercepting sewer and branches on the east side of Milwaukee River from a point below the Dam to the intersection of Broadway and Detroit Streets, and requires the construction of approximately:

7927 ft. brick and concrete sewer in open cut from 30" to 51" diameter.
3992 ft. brick and concrete sewer in tunnel from 30" to 51" diameter.
3844 feet terra cotta pipe sewer from 10" to 24" diameter.
1762 feet of manholes and pile and timber foundations.

Number 10 embraces the construction of an intercepting sewer and branches on the west side of Milwaukee River from the Holton Street viaduct to the intersection of West Water and Fowler Streets and requires the construction of approximately:

8480 ft. brick and concrete sewer in open cut from 30" to 48" diameter.
2340 feet terra cotta pipe sewer in open cut from 10" to 18" diameter.
1105 feet of manholes and pile and timber foundations.

All as shown upon the plans and described in the specifications now on file in the office of the Sewerage Commission.

The time allowed for completing each contract shall be two hundred and fifty (250) working days. (Working days meaning such as are particularly described in the contract.)

The liquidated damages for not completing the work within the time agreed shall, for each day's delay, be an amount equal to one-half of one percentum of the aggregate cost of the work embraced in the contract.

Each proposal must be accompanied by a cash deposit of, or, in lieu thereof, by a certified check drawn upon a national or state bank doing business in the City of Milwaukee, to the order of the "Sewerage Commission of the City of Milwaukee," for the following sums; failing in which the bid will be rejected:

For proposals Number 9, $38,500.00.
For proposal Number 10, $25,000.00.

Specifications and blank forms of proposals can be obtained, and details plans examined, at the office of the Sewerage Commission in the City Hall.

The prices must be written in the proposal and also stated in figures. In case of variation the written prices will prevail.

All cash deposits or certified checks deposited by bidders to whom the contract is not awarded will be returned upon application to the Secretary of the Commission after the contract has been awarded or after the rejection of all bids. The cash deposit or certified check which may be deposited by the successful bidder will be returned to him as soon as the contract is properly executed and approved by the City Attorney and Sewerage Commission.

Full sets of detail plans will be sent to any contractor desiring to bid upon receipt of ten dollars ($10.00).

The Sewerage Commission of the City of Milwaukee reserves the right to reject any and all bids submitted.

J. H. FOWLES, Secretary.

Countersigned:
LOUIS M. KOTECKI, Comptroller.

U. S. ENGINEER OFFICE, 405 Customhouse, Cincinnati, O., January 30, 1915.—Sealed proposals for constructing and delivering two steel Fuel Flats Nos. 18 and 19, and one steel Barge No. 15, will be received at this office until 2 p.m., March 2, 1915, and then publicly opened. Information on application. H. JERVEY, Lt. Col., Engrs.